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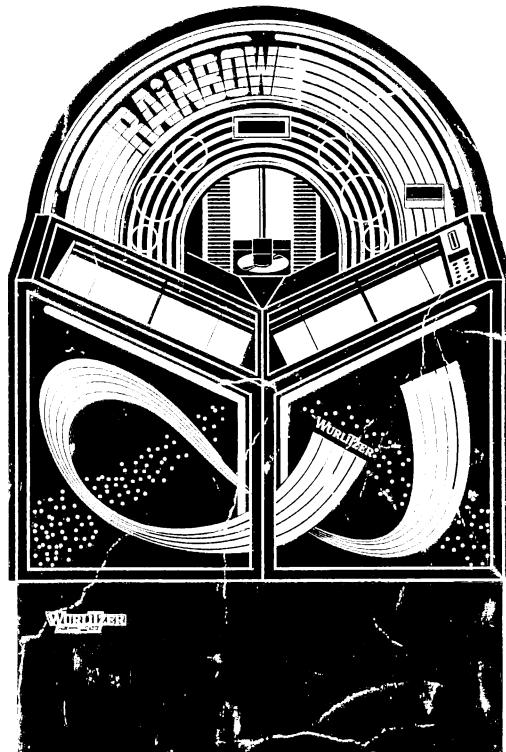
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# *Rainbow CD - II*



**Ersatzteilliste  
Spare parts list  
Liste de pièces de rechange**

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# Rainbow CD - II

## Ersatzteilliste

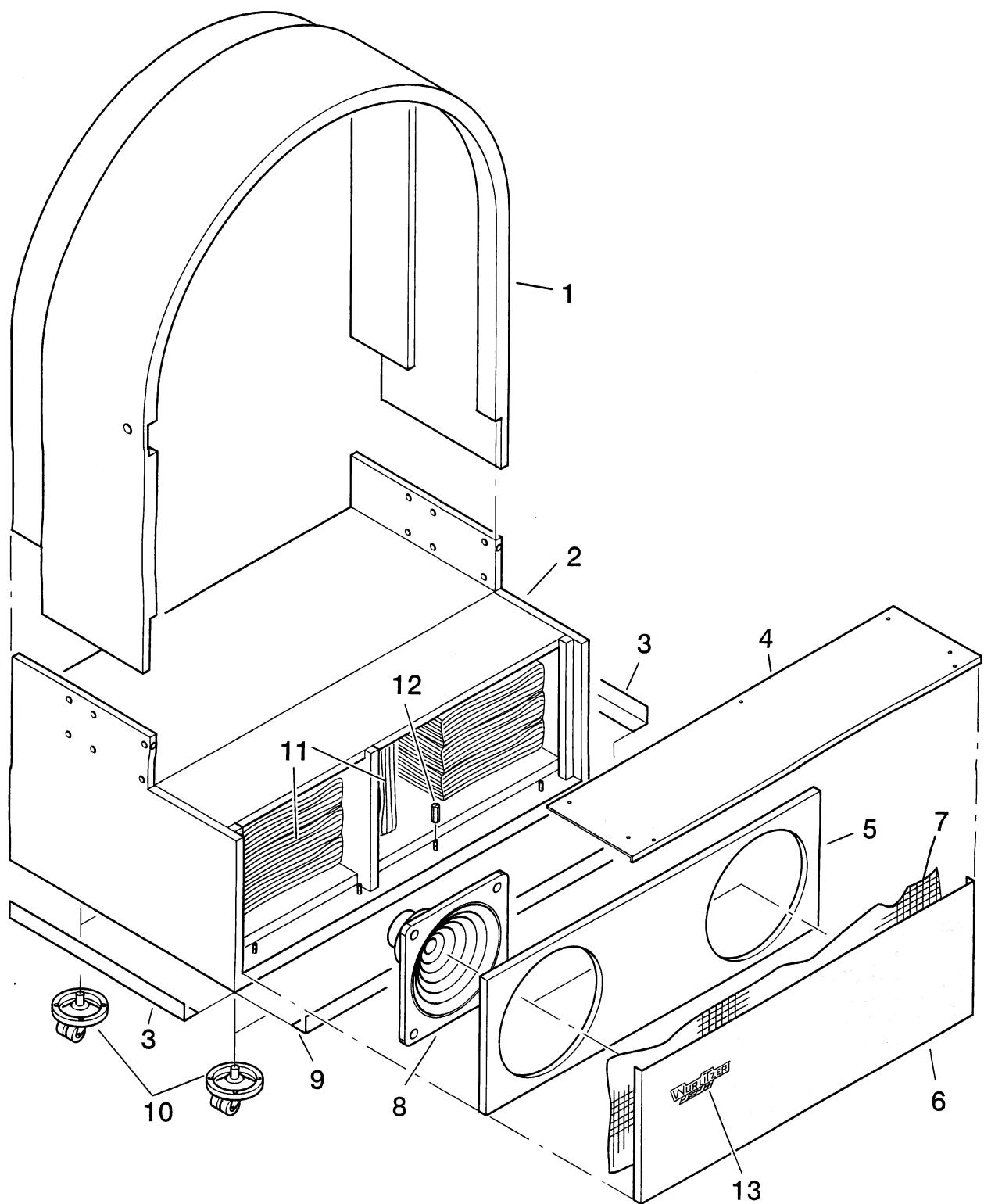
## Spare parts list

## Liste de pièces de rechange

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Änderungen vorbehalten - Subject to alterations - Sauf modifications - Salvo modificaciones

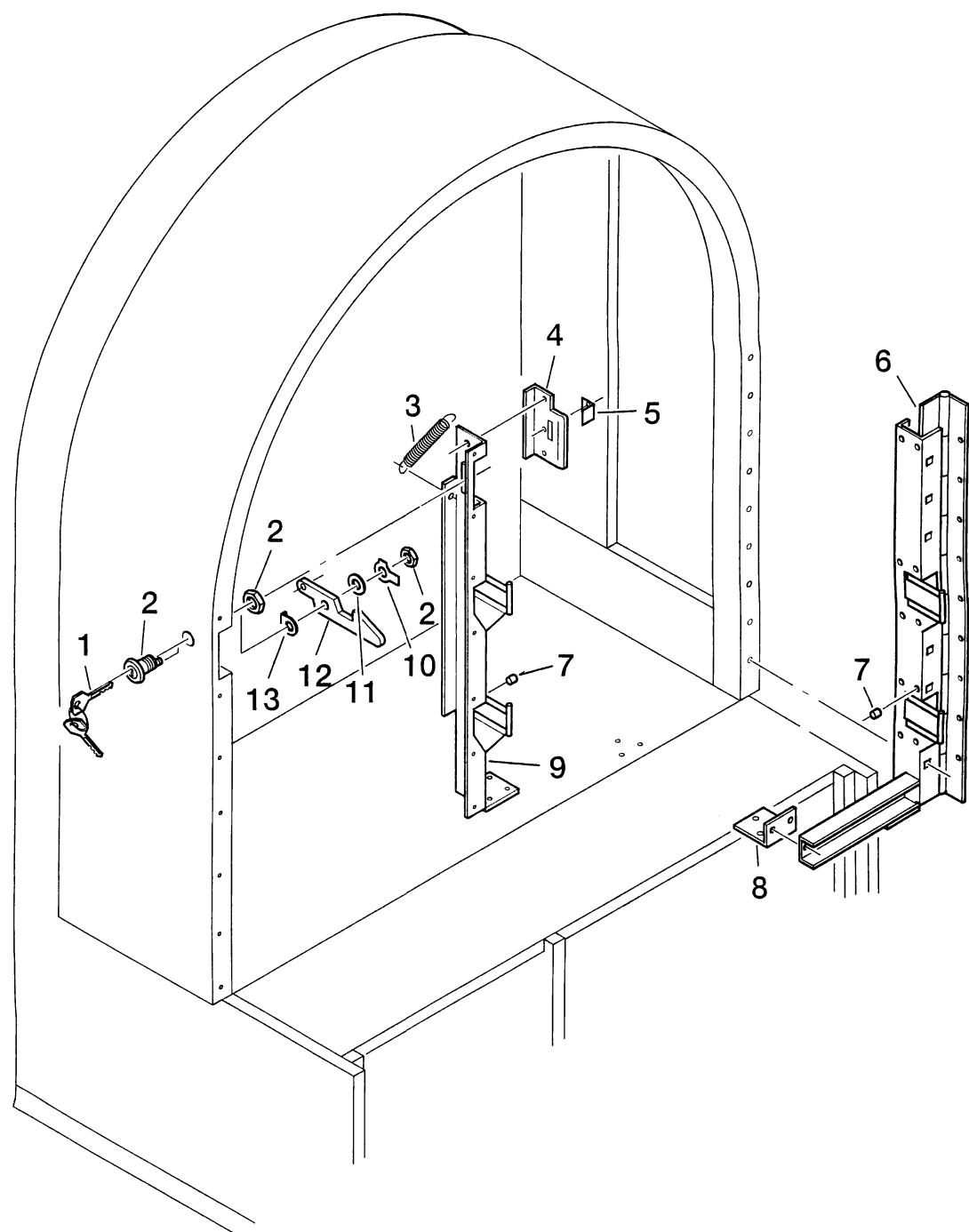
- Fig. 1 -



**- Fig. 1 -**

| No. | Gehäuse - Tieftonlautsprecher          | Cabinet - Bass speaker            | Meuble - haut-parleurs de basses      |
|-----|--|-----------------------------------|---------------------------------------|
| 1   | 0047598 Gehäuse - Oberteil Rainbow     | Cabinet upper part, Rainbow       | Meuble, partie en haute Rainbow       |
| 2   | 0034428 Gehäuse - Unterteil            | Bottom of cabinet                 | Meuble partie en bas                  |
| 3   | 0035319 Fußrahmen, links/rechts        | Frame LH or RH                    | Cadre p. pied gauche/droite           |
| 4   | 0040771 Rollenauflaufblech             | Roller plate                      | Plaque de guidage p. roulette         |
| 5   | 0034524 Schallwand                     | Speaker board                     | Panneau haut-parleurs                 |
| 6   | 0043335 Ziergitter, Schallwand         | Grille screen                     | Grille haut-parleurs peinte           |
| 7   | 0012241 Bespannstoff 800 breit schwarz | Grille cloth                      | Toile 800mm l noire (au mètre)        |
| 8   | 0011784 Lautsprecher 8 Ohm 50W 300mm   | Speaker 8 ohms 50W 300 mm dia.    | Haut-parl.8 Ohm 50W 300mm dia.        |
| 9   | 0035321 Fußrahmen, vorn/hinten         | Frame front/back                  | Cadre p. pied avant/arrière           |
| 10  | 0034294 Rollentopf mit Doppelrolle     | Roller pot mb with double roller  | Roulette double à crémaillere         |
| 11  | 0013860 Mineralwolleplatte 1000x625x50 | Mineral wool pad<br>1000x625x50mm | Plaque mineral-laine<br>1000x625x50mm |
| 12  | 0031269 Sechskantbolzen M4             | Hexagonal bolt M4                 | Boulon hexagonal                      |
| 13  | 0034347 Schriftzug- Wurlitzer 40x162   | Sign Wurlitzer 40 x 162mm         | Logo Wurlitzer 40 x 162mm             |

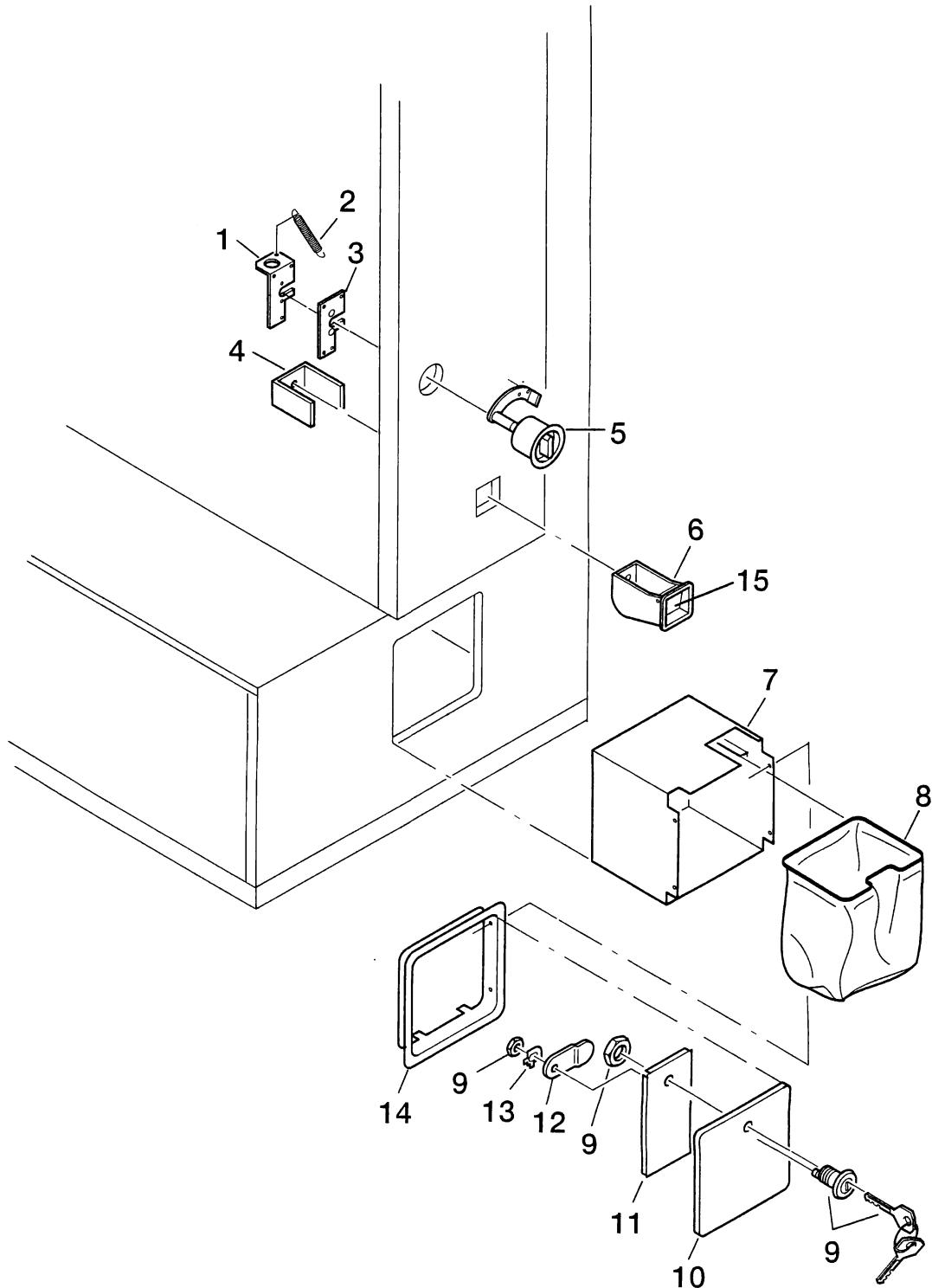
**- Fig. 2 -**



**- Fig. 2 -**

|    | No.     | Gehäuseschloß - Scharnier    | Cabinet lock - Hinge           | Fermeture du meuble - Charnière    |
|----|---------|------------------------------|--------------------------------|------------------------------------|
| 1  | 0046881 | Ersatzschlüssel WUA 2        | Spare key WUA 2                | Clé de remplacement WUA 2          |
| 2  | 0017743 | Zyl.Schloss, 2 Schlüss.WUA 2 | Lock with 2 keys WUA 2         | Serrure 2 clés WUA 2               |
| 3  | 0012605 | Zugfeder 0,63 x 5,6 x 29,5   | Tension spring 0,63x 5,6x 29,5 | Ressort de tension 0,63 x 5,6 x 29 |
| 4  | 0043857 | Verriegelungs-Abdeck.ges     | Locking cover                  | Fermeture couvercle                |
| 5  | 0047057 | Justierwinkel, schw.verz.    | Adjusting bracket              | Angle d'ajustage                   |
| 6  | 0043151 | Scharnier-V-Profil           | Hinge V-profile                | Charnière-V-contour                |
| 7  | 0002053 | Distanzrohr ms 8x1,5 5,5 lg  | Spacer 8 x 2 x 5,5 mm          | Tube entretorse 8 x 2 x 5,5 mm     |
| 8  | 0044421 | Stützwinkel                  | Bracket                        | Equerre, peinte                    |
| 9  | 0044965 | Verriegelungs-U-Profil       | Locking U-profile              | Fermeture-U-contour                |
| 10 | 0032777 | Sicherungsscheibe f.Schloß   | Retaining ring                 | Rondelle de sécurité pour serrure  |
| 11 | 0013632 | U-Scheibe a8,4 DIN 9021      | Washer a8.4 DIN 9021           | Rondelle support a 8,4             |
| 12 | 0042107 | Schließhaken                 | Locking hook                   | Crochet de fermeture               |
| 13 | 0042105 | Anschlagwinkel               | Stop bracket                   | Equerre de blocage                 |

- Fig. 3 -

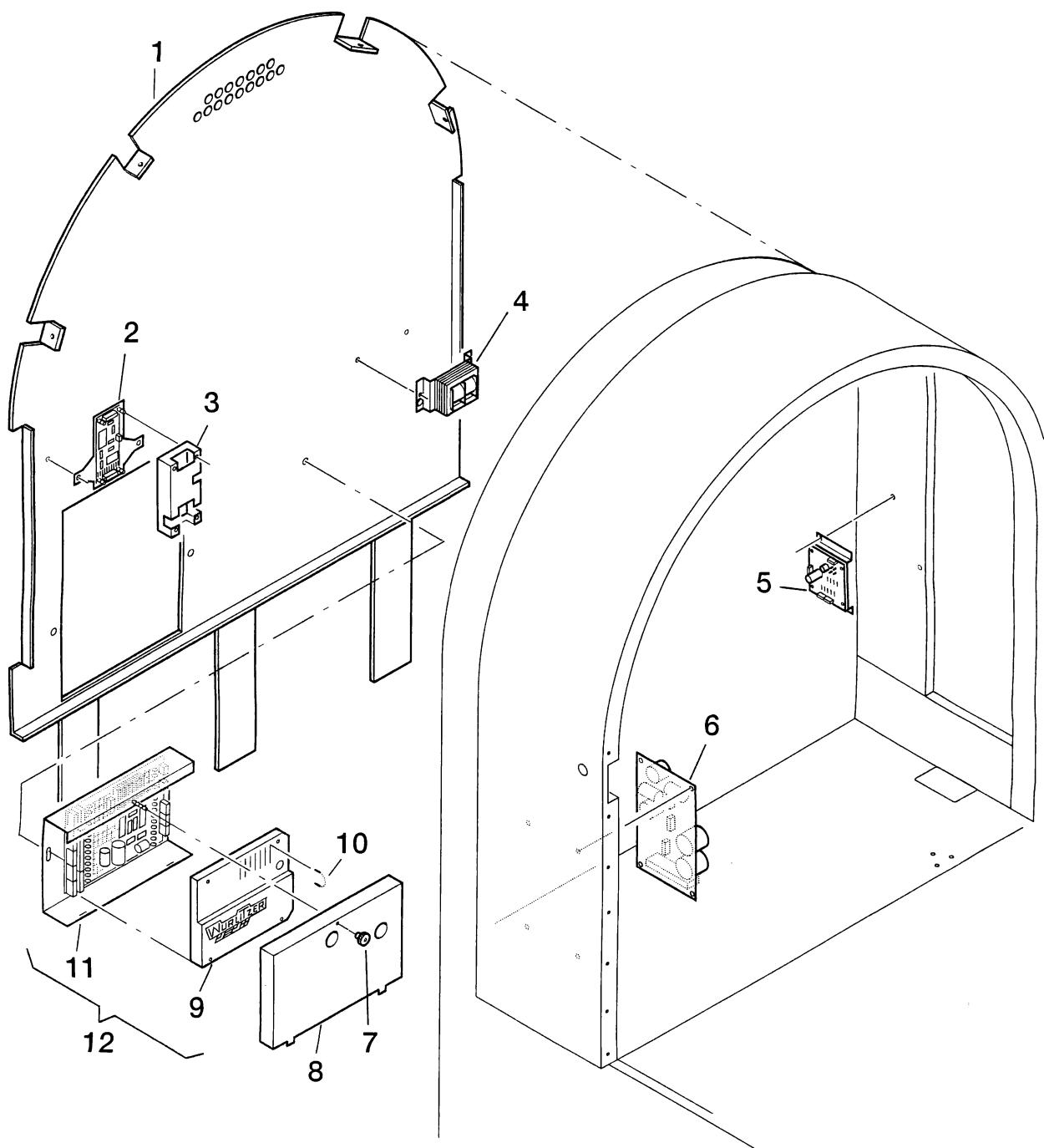


**- Fig. 3 -**

| No. | Kasse - Rückgabe                            | Cash box, return assembly              | Caisse, retour de monnaie            |
|-----|---|--|--------------------------------------|
| 1   | 0036546 Befestigungswinkel für Münzrückgabe | Mounting bracket for coin change giver | Angle support p. retour de monnaie   |
| 2   | 0013124 Zugfeder 0,6 x 5 x 41               | Tension spring 0.6 x 5 x 41            | Ressort de tension 0,6 x 5 x 41      |
| 3   | 0035351 Distanzstück                        | Spacer                                 | Entretoise                           |
| 4   | 0004721 Bügel                               | Bracket, coin return cup               | Etrier                               |
| 5   | 0035352 Münzrückgabebhebel, montiert        | Coin return lever mounted              | Levier retour de monnaie             |
| 6   | 0041387 Rückgabebecher, schwarz             | Coin return cup, black                 | Sebille retour de monnaie, noir      |
| 7   | 0007166 Kassenbehälter vollständig          | Coin bag housing                       | Receptacle de caisse sécurité compl. |
| 8   | 0004193 Geldsack vollständig                | Coin bag                               | Sac à monnaie compl.                 |
| 9   | 0013729 Zylinderschloß 2 Schlüssel DWU      | Lock with 2 keys DWU                   | Serrure 2 clés DWU                   |
| 10  | 0001127 Kassendeckel schwarz                | Cash box door                          | Couvercle de caisse peint            |
| 11  | 0049942 Verstärkung für Kassendeckel        | Reinforcement, cover                   | Renforcement du couvercle de caisse  |
| 12  | 0014197 Schließhebel                        | Catch lock                             | Levier de serrure                    |
| 13  | 0032777 Sicherungsscheibe für Schloß        | Retaining ring                         | Rondelle de sécurité pour serrure    |
| 14  | 0009310 Kassenrahmen, lackiert              | Frame, cash box door                   | Cadre de caisse, peint               |
| 15  | 0009193 Klappe, schwarz                     | Coin return flap                       | Trappe retour monnaie noir           |

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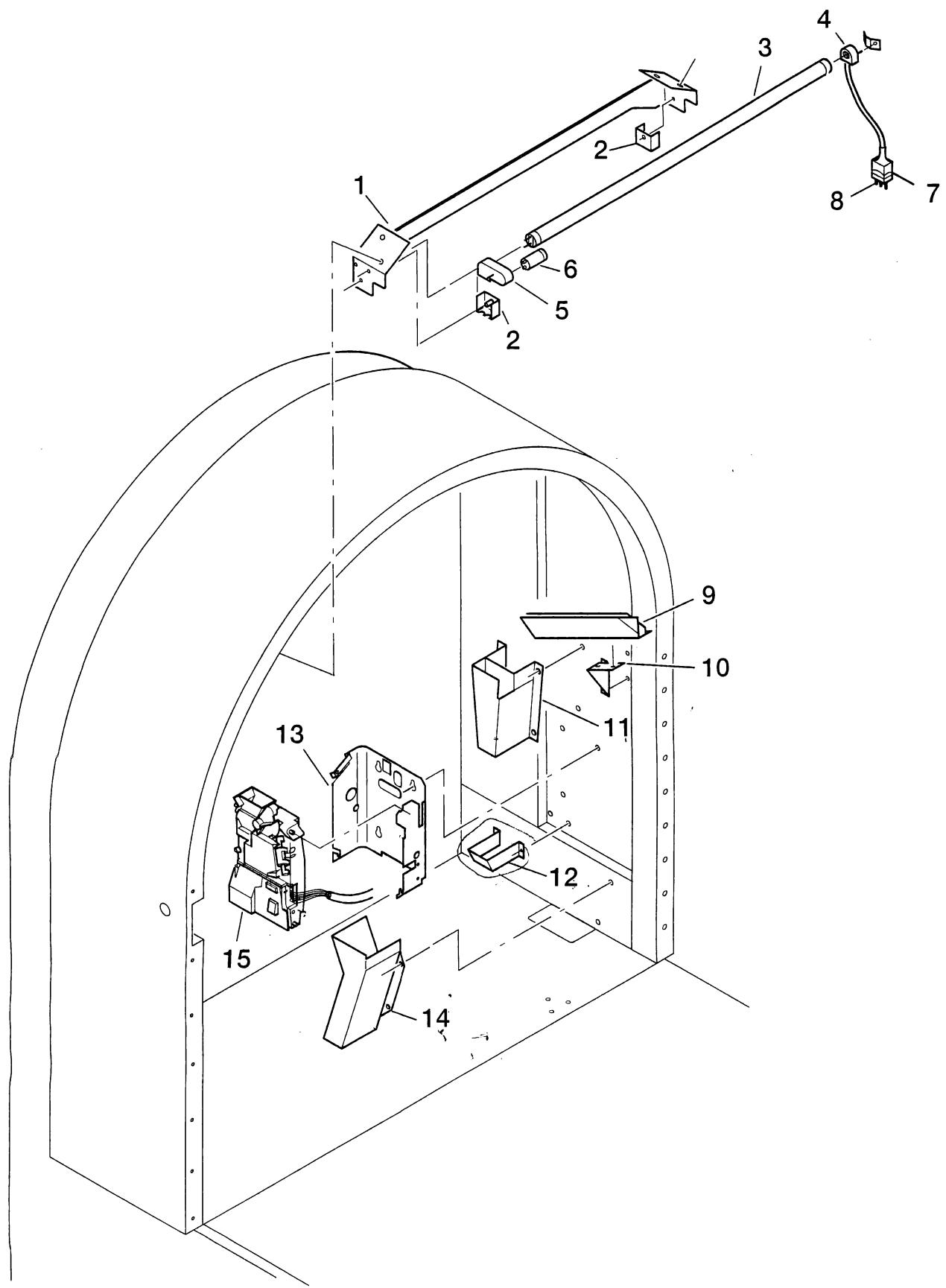
- Fig. 4 -



- Fig. 4 -

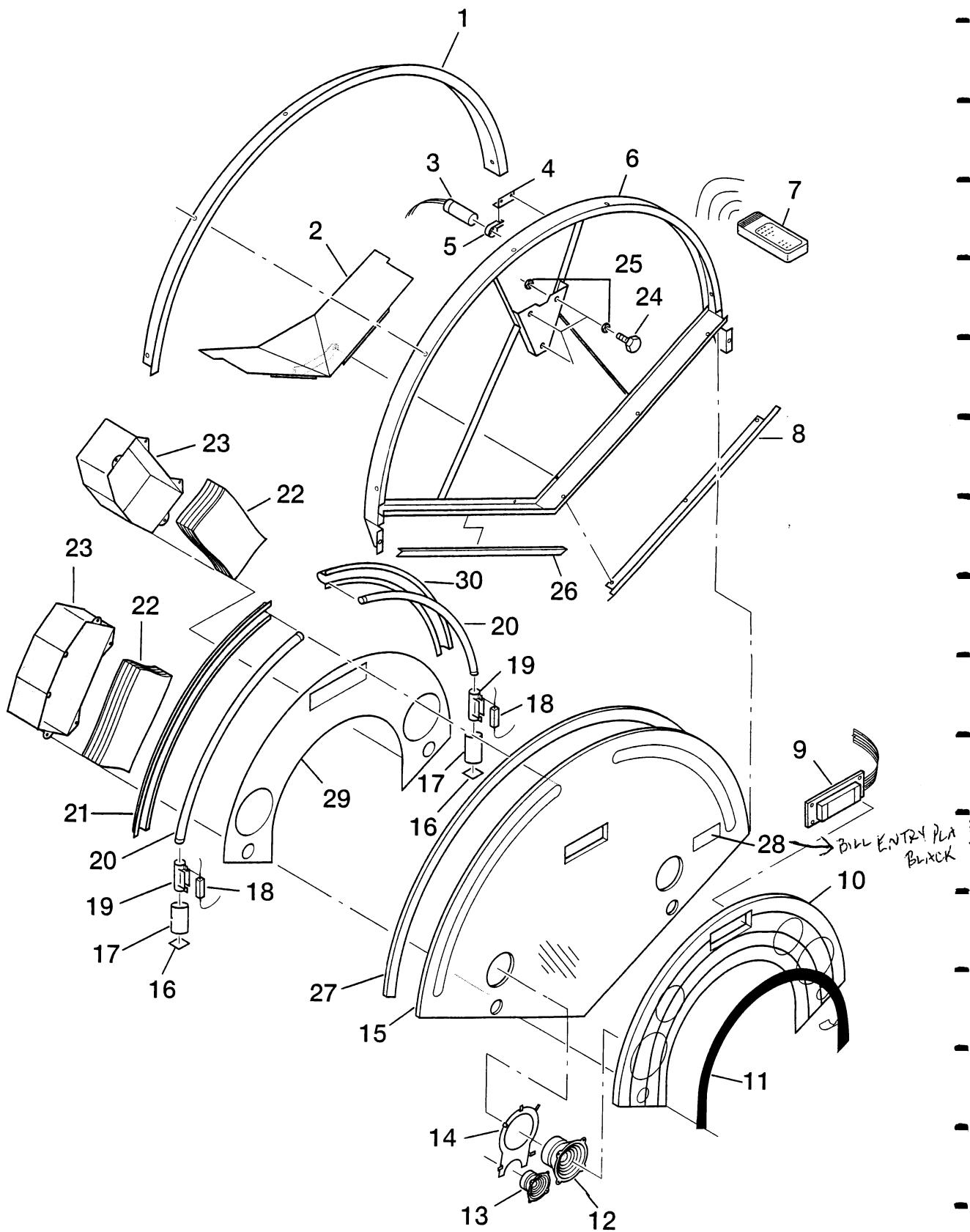
| No. | Steuerung, Interface                                      | Control unit, interface        | Unité de contrôle, interface                 |
|-----|---|--------------------------------|--|
| 1   | 0044868 Rückwand Rainbow, geschw. lack.                   | Rear wall, Rainbow             | Paroi arrière, Rainbow                       |
| 2   | 0039653 Gedruckte Schaltung vollständig Decoder IR + Wahl | P.C.B. decoder IR + select.    | Circuit imprimé decoder IR + sélect.         |
| 3   | 0040622 Abdeckhaube f. gedr. Schaltung                    | Cover for P.C.B.               | Couvercle pour circuit imprimé               |
| 4   | 0046912 Zwischentrafo CDM12 vollständig                   | Sub transformer CDM 12         | Transformateur intermédiaire<br>CDM12 compl. |
| 5   | 0047647 Interface vollst. Mars111-S&CC + Kabel CD2        | Interface compl. Mars 111 S&CC | Interface Mars 111 compl.                    |
| 5   | 0006175 Interface vollst. Mars130-S&CC + Kabel CD2        | Interface compl. Mars 130 S&CC | Interface Mars 130 compl. S&CC               |
| 6   | 0036384 Frequenzweiche vollst. Rainbow                    | Cross over network compl.      | Bifurcation sélective compl.                 |
| 7   | 0012521 Rändelmutter M4 DIN 466                           | Milled nut M4                  | Ecrou moleté M4 DIN 466                      |
| 8   | 0038903 Deckel für Steuerung                              | Lid for control unit           | Couvercle p. unité de contrôle               |
| 9   | 0047282 Schutzkappe S&CC, CDM12                           | Guard cap S&CC, CDM12          | Couvercle imprimé S&CC, CDM12                |
| 10  | 0005854 Programmierdraht S&CC-Steuer.                     | Jumper wire for S&CC unit      | Câble pour pontage                           |
| 11  | 0045410 Gedruckte Schaltg.vollst. CD-Box CDII             | P.C.B. compl.CD-box CDII       | Circuit imprimé compl. CD-box CDII           |
| 12  | 0045411 Steuerung vollst. S&CC, CDM12, CDII               | S&CC unit compl. CDM12, CDII   | Unité de contrôle compl. S&CC, CDM12, CDII   |

- Fig. 5 -



| No. | Münzprüfer, Beleuchtung                     | Coin acceptor, illumination       | Monnaieur, illumination                 |
|-----|---|-----------------------------------|---|
| 1   | 0045076 Lampenhalter 18W-Lampe              | Lamp holder; 18W-lamp             | Support de lampe 18W, plint             |
| 2   | 0035298 Abdeckung f. Lampenhalterung        | Cover for lamp socket             | Couvercle de douille pour lampe         |
| 3   | 0013164 Leuchtschlammpe 26x590 18W ws       | Fluorescent lamp<br>26x590x18W ws | Tube fluo 26 x 590 18W d'anc            |
| 4   | 0048080 Kabelb. Leuchtschl.18W-P4           | Loom f. flouresc. lamps 18W       | Câblage pour tube fluo 18W-P4 UL        |
| 4   | 0045557 Kabellb.P6.Vg.-Einh.-Lamp18W        | Loom P6 bal. unit lamps           | Câblage P6 18W EU                       |
| 5   | 0035776 UL-Fassung + Starter, steckb.       | Lamp and starter socket           | Support tube + support de starter       |
| 6   | 0012277 Starter-4-22W Serf230V,emz110V      | Starter-4-22 watts 230V joint     | Starter-4-22W bi.230V mono 110V         |
| 7   | 0012565 UL-Sicherungen,Stift 4pol.          | UL-plugcabine 4 pin               | Carre de lisreau à broche UL            |
| 8   | 0014150 Crimpstecker 2,36 mm Durchm.        | Crimp-plug 2,36mm dia.            | Lisreau à broche 2,36mm                 |
| 9   | 0043453 Münzinne                            | Coin channel                      | Conduit de monnaie                      |
| 10  | 0035356 Montagewinkel f.Münzinne            | Mounting bracket f. coin          | Plaque de support p. conduit de monnaie |
| 11  | 0035350 Münzschart                          | Coin track                        | Conduit de monnaie                      |
| 12  | 0034732 Münzschart, Rückgrat                | Coin return track painted         | Conduit de retour de monnaie            |
| 13  | 0005369 Münzprüferschuh f, EMF              | Support f.electromechanical coin  | Support de monnaieur électronique       |
| 14  | 0002265 Münzprüferschuh f. mech. Münzprüfer | Support f. mechanical coin        | Support de monnaieur mécanique          |
| 15  | 0034742 Münzschart                          | Coin track                        | Conduit de retour de monnaie            |

- Fig. 6 -



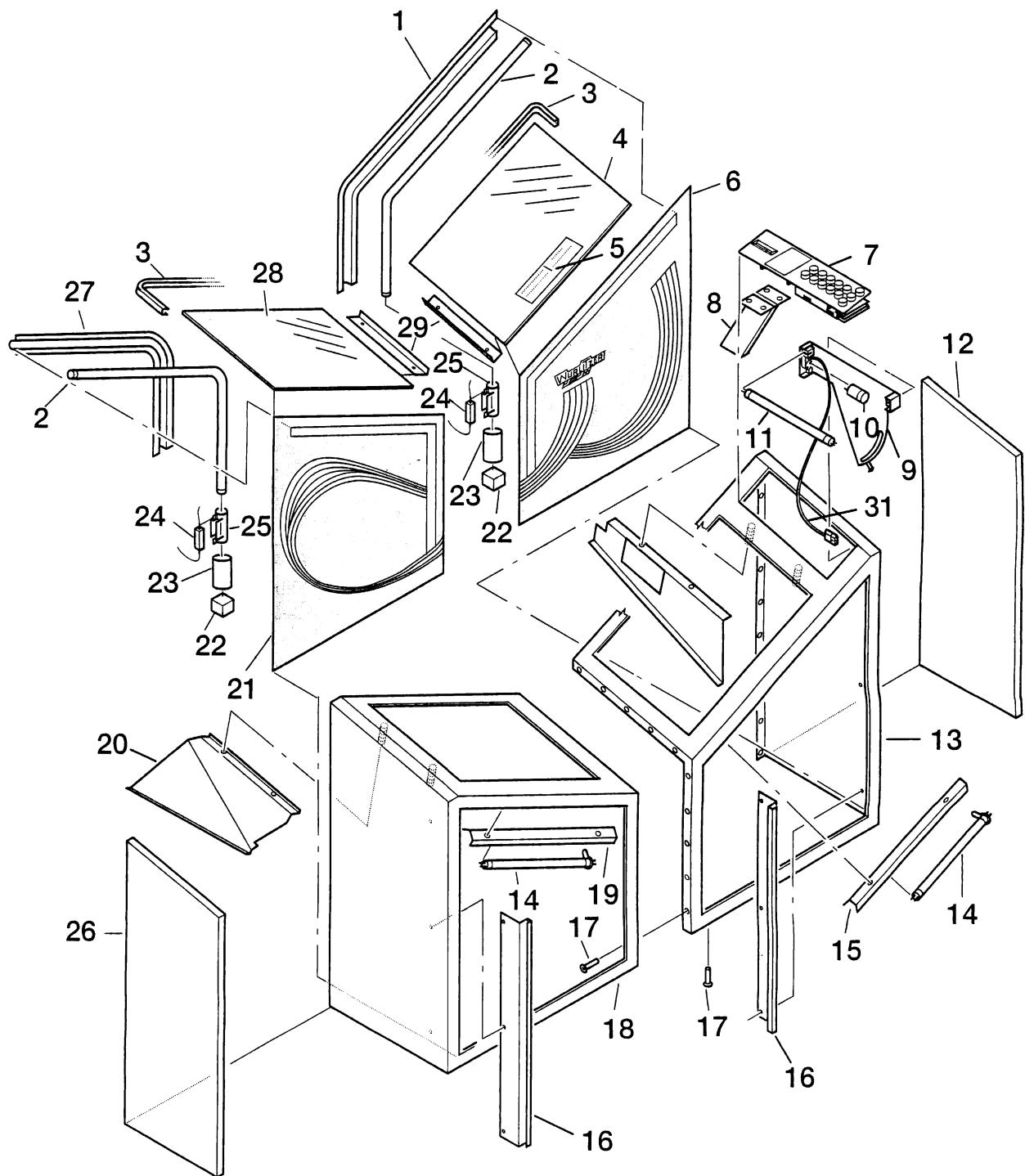
| No. | Tür - oben                               | Door on top                    | Porte en haut                           |
|-----|--|--------------------------------|---|
| 1   | 0043162 Scheiben, AL-Profil, verchromt   | Panne holder                   | Support de glace - profil alu-chrome    |
| 2   | 0044983 Sichtblende                      | Blinde                         | Cache peint                             |
| 3   | 0040444 Empfänger, IR-Fernstl Wahlm. F91 | Receiver, IR control for F91   | Recepteur de contrôle infrarouge F91    |
| 3   | 0050049 Empfänger, IR-Fernstl Wahlm. 184 | Receiver, IR control for 184   | Recepteur de contrôle infrarouge 184    |
| 4   | 0044781 Halteriniekli für IR-Fernstl.    | Bracket for IR control         | Attache support pour IR                 |
| 5   | 0012729 Kabelscheide 20/54,2 d           | Cable clamp size 20/54,2 d     | Collier pour câble 20/54,2 d            |
| 6   | 0044873 Turahmen, Obleteili              | Door frame, top part           | Cadre porte profile pente               |
| 7   | 0040443 IR-Sender für F91                | IR transmitter for F91         | Transmetteur IR/boîtier avec select F91 |
| 7   | 0050048 IR-Sender, IR-Fernstl.Wahl.184   | IR transmitter with select 184 | Transmetteur IR/boîtier avec select 184 |
| 8   | 0037260 Scheibenrandstückw. oben-mitte   | Glass mounting bracket, bottom | Comme de fixation glace, arrêter        |
| 9   | 0043744 Gehr. Schalig. Anzeige CD-Box    | PC-B. display CD-Jukebox       | Circuit imprimé boîtier-CD              |
| 10  | 0043745 Schalwand volsts oben            | Speaker wall, top              | Mur en métal h.p.                       |
| 11  | 0034899 Kabelprofile für Ziereili        | Decorative tape for grille     | Sticker décoration de la grille         |
| 12  | 0035592 Lautsprecher Mittelton d 91mm    | Midrange speaker 91mm          | Haut-parleurs medium 91mm               |
| 13  | 0035593 Lautsprecher Hochton d 48mm      | Treble speaker 48mm            | Haut-parleurs aiguus 48mm               |
| 14  | 0037764 Halteblech Lautsprecher, links.  | Holder panel for speaker l.h.  | Support gauche h.p./panneau gali.       |
| 14  | 0037767 Halteblech Lautsprecher, rechts. | Holder panel for speaker r.h.  | Support droit h.p./panneau gali.        |
| 15  | 0047213 Tuschelbe, oben, -Rainbow-       | Door glass, top -Rainbow-      | Glace de porte, haut -Rainbow -         |
| 16  | 0040182 Schamustoffzuschnitt 12x12x12 mm | Plastic foam cut 12x12x12 mm   | Cube mousse plastique 12 x 12 x 12 mm   |
| 17  | 0013216 Siliconschlauch 20x2mm, Natur    | Silicon tube                   | Tube silicone 20 x 2mm rouge            |
| 18  | 0013217 Drahtwiderset 120 Ohm 10% 5W     | Resistor 120 ohm 10% 5W        | Resistance 120 Ohm 10% 5W               |
| 19  | 0009803 Heizschelle Bubble Tubes         | Heating clip for bubble tubes  | Clip de chauffage plies tubes à bulles  |
| 20  | 0034691 Bubble Tube Rainbow, top         | Bubble tube Rainbow, top       | Tube à bulles Rainbow en haut           |
| 21  | 0035100 Abdækning f. Bubble oben links   | Cover for bubble top l.h.      | Couvercle p. part. gauche tube à bulles |
| 22  | 0013860 Minerawollplatte 1000x625x50     | Mineral wool pad               | Padou mineral-laine                     |
| 23  | 0035671 Lautsprecher-Topf                | Speaker cover                  | Couvercle de haut-parleurs              |
| 24  | 0037760 Gehäusefußschraube M8x30         | Cabinet foot screw M8 x 30     | VIS M8 x 30 pour pied de meuble         |
| 25  | 0013749 6-Kantmutter M8 DIN 934          | Nut M8                         | Erou M8 DIN 934                         |
| 26  | 0037626 Scheiben-Schutzfolie             | Glass-coloured film            | Film en couleurs de la glace            |
| 27  | 0030568 Scheibenabdichtung               | Glass sealing                  | Joint de glace                          |
| 28  | 0035476 Blende bedruckt                  | Panel printed                  | Plaque imprimée                         |
| 29  | 0037626 Scheiben-Schutzfolie             | Glass-coloured film            | Film en couleurs de la glace            |
| 30  | 0035101 Abdækning f. Bubble oben rechts  | Cover for bubble top r.h.      | Couvercle du tube à bulles              |

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oc36477

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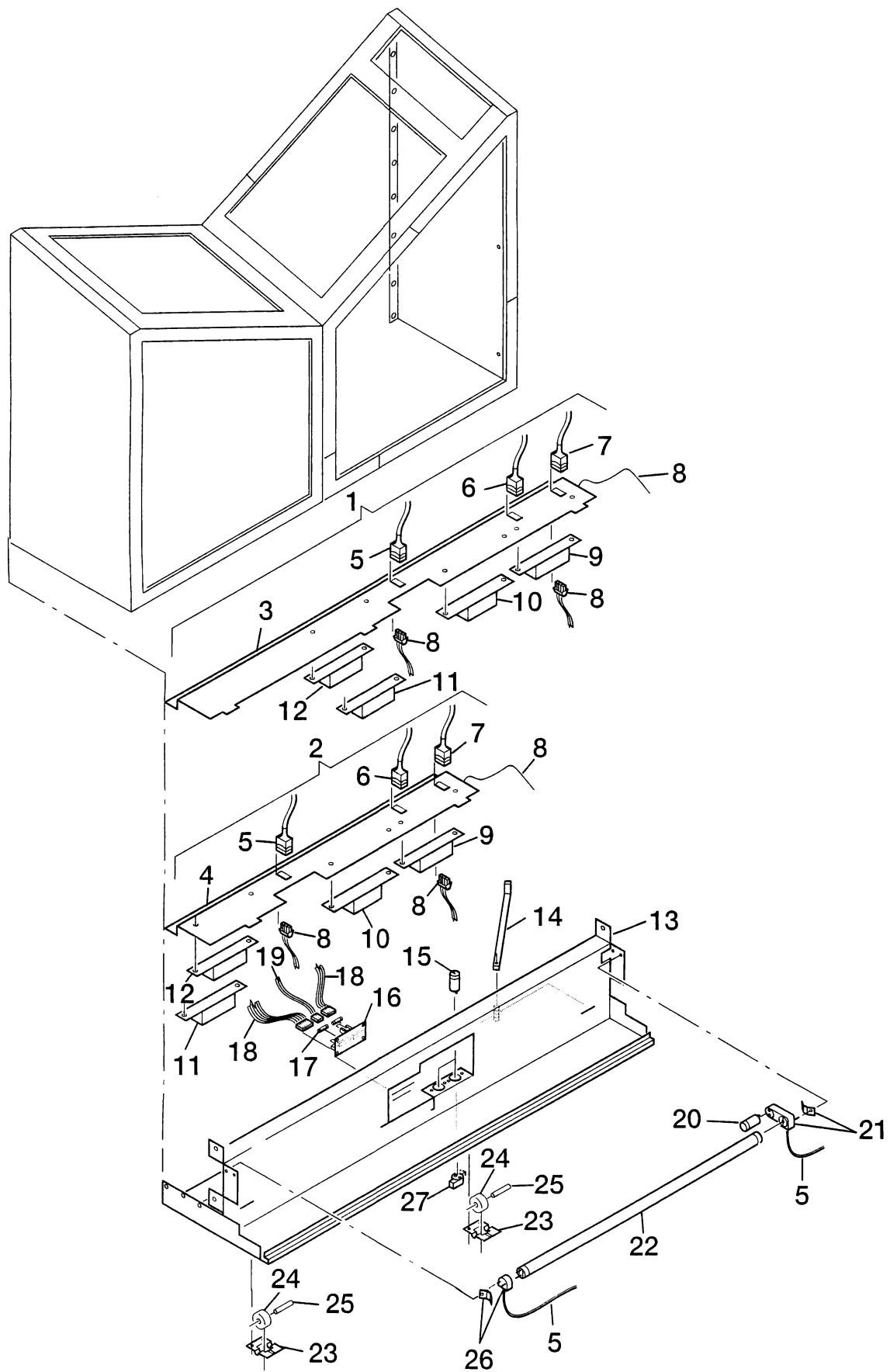
- Fig. 7 -



**- Fig. 7 -**

| No. | Tür unten                                   | Door bottom                                 | Porte en bas                           |
|-----|---|---|--|
| 1   | 0035102 Abdeckung f. Bubble, Tür rechts     | Cover for bubble tube <b>RH</b>             | Couvercle du tube à bulles             |
| 2   | 0034690 Bubble Tube Rainbow unten           | Bubble tube Rainbow bottom                  | Tube à bulles Rainbow arriere          |
| 3   | 0035273 Scheibendichtung Rainbow            | Glass seal Rainbow                          | Joint de glace Rainbow                 |
| 4   | 0034872 Scheibe rechts Mitte Rainbow        | Glass right middle Rainbow                  | Glace milieu droite Rainbow            |
| 5   | 0036716 Schild bedr. Buchbetätigung         | Printed label: "Turn pages"                 | Etiquette imprimé "turn pages"         |
| 6   | 0047215 Türscheibe, rechts, Rainbow         | Door glass right, -Rainbow-                 | Glace de porte, droite - Rainbow -     |
| 7   | 0048594 Tastenleiste, vollst. Rainbow       | Keyboard compl. Rainbow                     | Clavier compl. Rainbow                 |
| 8   | 0035515 Münztrichter                        | Coin funnel                                 | Conduit de pièces                      |
| 9   | 0048082 Schieblech Tastaturbeleuchtung      | Plate                                       | Plaque peinte avec support de fluc     |
| 10  | 0012277 Starter 4-22W Seri230V, Einz110V    | Starter 4-22 watts tandem 230V, single 110V | Starter 4-22W bi.230V mono 110V        |
| 11  | 0048135 Leuchtstofflampe 16x212 6W, ws      | Fluorescent lamp 16x212 6W, wt              | Tube fluo 16 x 212 6 w blanc           |
| 12  | 0047594 Seitenteil, rechts, Rainbow         | Side part RH, Rainbow                       | Partie côté droit, Rainbow             |
| 13  | 0043262 Tür rechts                          | Door part RH                                | Porte droit                            |
| 14  | 0012158 Leuchtstofflampe 16x288 8W ws       | Fluorescent lamp 16x288 8W                  | Tube fluo 16 x 288 8 w blanc           |
| 15  | 0035531 Scheibenandruckschiene oben, rechts | Glass holder on top, RH                     | Rail de montage glace                  |
| 16  | 0048140 Scheibenandruckschiene, unten       | Glas holder below                           | Corrière basse de support glace        |
| 17  | 0035419 Blindniet 4 x 6,8                   | Rivet 4 x 6,8                               | Rivet 4 x 6,8                          |
| 18  | 0043261 Tür links                           | Door  | Porte gauche                           |
| 19  | 0035533 Scheibenandruckschiene oben, links  | Glass mounting rail painted LH              | Rail support glace peint               |
| 20  | 0043164 Scheibenandruckblech Buchs. links   | Glass mounting bracket, LH                  | Tôle de montage glace, gauche          |
| 21  | 0047214 Türscheibe, links, -Rainbow-        | Door glas, LH -Rainbow-                     | Glace de porte gauche - Rainbow        |
| 22  | 0040182 Schaumstoffzuschnitt 12x12x12       | Platic foam cut 12x12x12                    | Cube mousse plastique 12x12x12         |
| 23  | 0013216 Siliconschläuch 20x2mm, Natur       | Silicon tube                                | Tube silicone 20 x 2mm rouge           |
| 24  | 0013217 Drahtwiderst.120 Ohm 10% 5 W        | Resistor 120 Ohm 10% 5 W                    | Résistance 120 Ohm 10% 5W              |
| 25  | 009803 Heizschelle bubble tubes             | Heating clip for bubble tubes               | Clip de chauffage p.les tubes à bulles |
| 26  | 0047593 Seitenteil, links, -Rainbow-        | Side part LH, Rainbow                       | Cote gauche, rainbow                   |
| 27  | 0035103 Abdeckung f. Bubble Tür links       | Cover for bubble tube <b>LH</b>             | Couvercle pour tube à bulles           |
| 28  | 0034873 Scheibe links, Mitte Rainbow        | Glass left middle Rainbow                   | Glace milieu gauche Rainbow            |
| 29  | 0035537 Scheibenandruckw. oben, mitte       | Glass holder top, middle                    | Corrière de montage glace              |

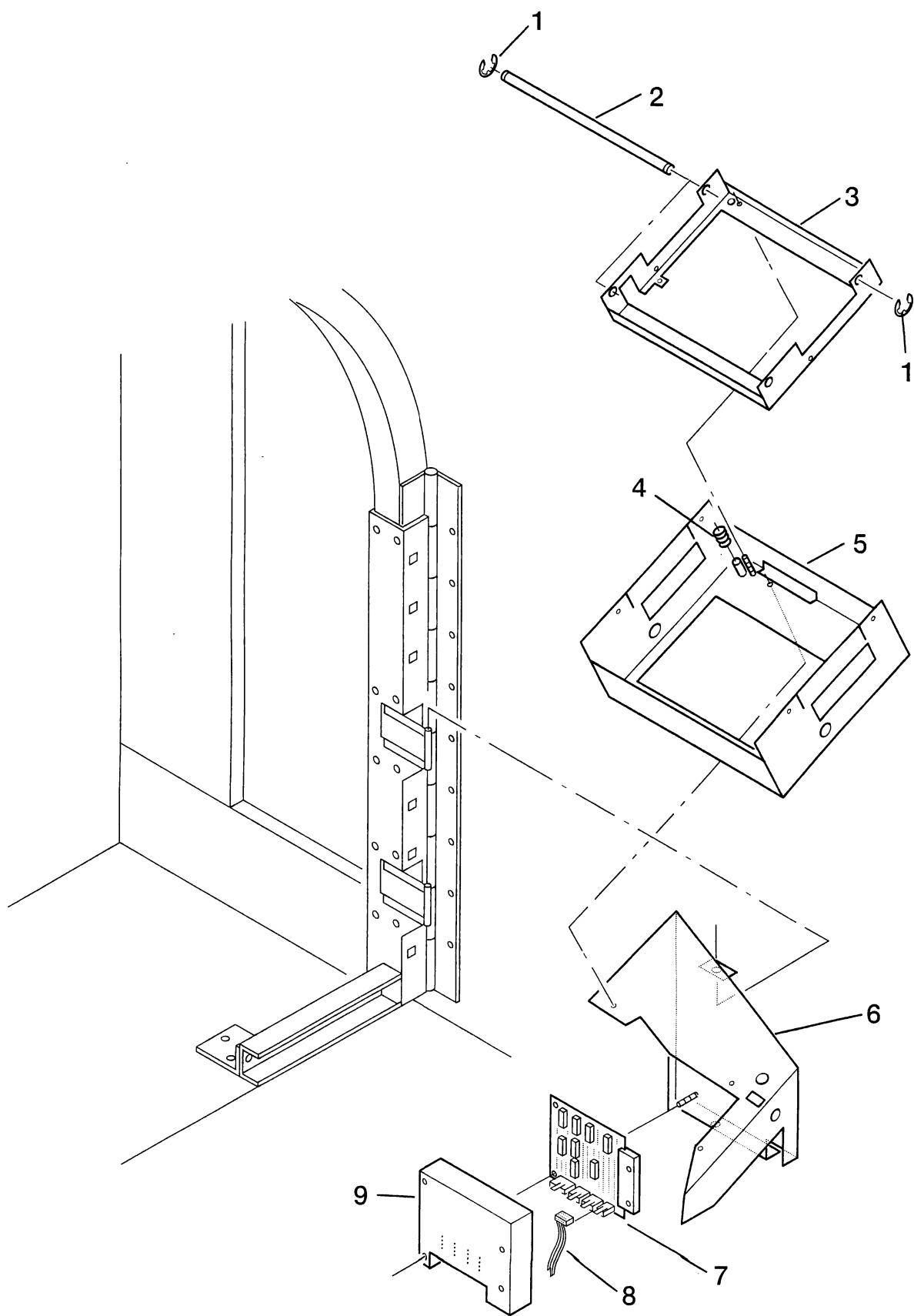
**- Fig. 8 -**



**- Fig. 8 -**

| No. | Tür - Vorschaltgeräteeinheit                                       | Door bottom - ballast unit                          | Porte - Unité ballast                    |
|-----|--|---|--|
| 1   | 0043437 Vorschaltgeräteeinheit 230V                                | Ballast unity 230V                                  | Unité ballast 230V                       |
| 1   | 0043442 Vorschaltgeräteeinheit 117V                                | Ballast unity 117V                                  | Unité ballast 117 V                      |
| 2   | 0045849 Vorschaltgeräteeinh. 230V CDII                             | Ballast 230V CDII Europe                            | Ballast 230 V CDII EU                    |
| 2   | 0045868 Vorschaltgeräteeinh. 117V CDII                             | Ballast 117V CDII USA                               | Ballast 117 V CDII USA                   |
| 2   | 0049099 Vorschaltgeräteeinh. 220V/60Hz                             | Balast 220V / 60cps                                 | Ballast 220 v / 60 hz                    |
| 3   | 0043114 Vg-trägerblech, D  | Holder plate, D                                     | Plaque support, D                        |
| 3   | 0043113 Vg-trägerblech, USA  | Holder plate, USA                                   | Plaque support, USA                      |
| 4   | 0048208 Vg-trägerbl. Rainbow Europa                                | Ballast holder plate Europe                         | Plaque support ballast, EU               |
| 4   | 0048207 Vg-trägerbl. Rainbow USA                                   | Ballast holder plate USA                            | Plaque support ballast, USA              |
| 5   | 0043439 Kabelb.P6 Vorschaltgeräteeinheit zu Lampen 30/8/8W EU      | Loom P6 ball.unit to lamps 30/8/8 watts EU          | Unité câblage ballast P6 30/8/8W EU      |
| 5   | 0043444 Kabelb.P6 Vorschaltgeräteeinheit zu Lampen 30/8/8W USA     | Loom P6 ball.unit to lamps 30/8/8 watts USA         | Unité câblage ballast P6 30/8/8W, USA    |
| 6   | 0048160 Kabelbaum Leuchtstlampe 6W-P3 Vorschaltgeräteeinheit EU    | Loom florescent lamps 6W-P3 ballast unit EU         | Câblage tubes fluo 6W-P3 ballast, EU un. |
| 6   | 0048159 Kabelbaum Leuchtstlampe 6W-P3 Vorschaltgeräteeinheit USA   | Loom florescent lamps 6W-P3 ballast unit USA        | Câblage tubes fluo 6W-P3 ballast, USA    |
| 7   | 0045557 Kabelb.P6 Vorschaltgeräteeinheit zu Lampe 18W CDII, EU     | Loom P6 bal. unit lamps 18W EU                      | Câblage P6 18W CDII, EU                  |
| 7   | 0048080 Kabelbaum P4 Vorschaltgeräteeinheit zu Lampe 18W CDII, USA | Loom bal. unit. to floresc. lamps 18W CDII, UL, USA | Câblage pour tube fluo 18W-P4 UL, USA    |
| 8   | 0045848 Kabelb. P3 Verst.-P6/6/3 Vorschaltgeräteeinheit CDII       | Loom P3 ampl.-P6/6/3 ballast unit CDII              | Câblage P3 amplif.-P6/6/3 ballast CDII   |
| 8   | 0045869 Kabelb. P3 Verst.-P6/4/3 Vorschaltgeräteeinheit CDII       | Loom P3 ampl.-P6/4/3 ballast unit CDII              | Câblage P3 amplif.-P6/4/3 ballast CDII   |
| 9   | 0013088 Vorsch.-ger.18W 230V 50Hz EU                               | Ballast 18W 230V 50cps EU                           | Ballast 18W 230V 50Hz EU                 |
| 9   | 0012842 Vorsch.-ger. 14-22W 118V 60Hz                              | Ballast 14-22W 118V 60cps                           | Ballast 14-22W 118V 60Hz USA             |
| 9   | 0035816 Vorsch.-ger. 4-6-8W, 120V, USA                             | Ballast 4-6-8W 120V 60Hz                            | Ballast 4-6-8W 120V 60Hz, USA            |
| 9   | 0048948 Vorschaltgerät 18W 220V 60Hz                               | Ballast unit 18W 220V 60cps                         | Unité ballast 18W 220V 60Hz              |
| 10  | 0013697 Vorsch.-gr. 30/2x15W 230V, EU                              | Ballast 30/2x15 watts 230V                          | Ballast 30/2 x 15W 230V, EU              |
| 10  | 0035817 Vorschaltgerät 30W, 120V, 60Hz                             | Ballast 30W 120V 60Hz                               | Ballast 30W 120V 60Hz UL, USA            |
| 10  | 0014048 Vorschaltgerät 30W 220V 60Hz                               | Ballast 30W 220V 60 cps                             | Ballast 30W 220V 60Hz                    |
| 11  | 0013908 Vorschaltgerät 4-6-8W 230V 50Hz                            | Ballast 4-6-8W 230V 50cps                           | Ballast 4-6-8W 230V 50Hz EU              |
| 11  | 0035816 Vorschaltger.4-6-8W,120V, USA                              | Ballast 4-6-8W 120V 60Hz                            | Ballast 4-6-8w 120v 60hz, UL             |
| 11  | 0048941 Vorschaltgerät 6W 220V 60Hz                                | Ballast 6W 220V 60cps                               | Ballast 6W 220V 60Hz                     |
| 12  | 0012823 Vorschaltgerät 13W 230V50Hz EU                             | Ballast 13W 230V 50cps EU                           | Ballast 13W 230V 50Hz EU                 |
| 12  | 0035816 Vorschaltgerät 4-6-8W,120V,USA                             | Ballast 4-6-8W 120V 60cps                           | Ballast 4-6-8w 120v 60hz, UL             |
| 12  | 0036171 Vorschaltgerät 13W 220V 60Hz                               | Ballast 13W 220V 60cps                              | Ballast 13W 220V 60Hz                    |
| 13  | 0043121 Türbodenblech  | Door baseplate                                      | Plaque de bas de porte                   |
| 14  | 0043451 Anschlagstange   | Stop rod  | Tringle stop                             |
| 15  | 0012277 Starter 4-22W Seri230V,Einz110V                            | Starter 4-22 watts tandem s2                        | Starter 4-22W bi.230V mono 110V          |
| 16  | 0036425 Gedr.Schaltg. 27V Verteiler                                | Circuit board with fuse                             | Circuit imprimé avec fusible             |
| 17  | 0011929 Schmelzeinsatz T 1,0A 250V 5x20                            | Fuse 1.0A 250V slow blow                            | Fusible 1,0A basse tension 250V          |
| 17  | 0014057 UI-Schmelzeinsatz T1,0A 250V                               | UI Fuse 1.0A 250V slow bl.                          | Fusible UL1,0A 250V basse t.             |
| 18  | 0045556 Kabelbaum 27V-Vert.P4/P7-Bubble-Heizung CDII               | Loom 27V-distr. P4/P7-bubble heater CDII            | Câblage 27VP4/P7-bub. CDII               |
| 19  | 0043556 Kabelbaum P3 Verteil.-klemml. I84                          | Loom P3-I84   | Câblage P3- I84                          |
| 20  | 0013114 Starter 4-65W f.Einzelschaltg.                             | Starter 4-65 watt single circ.                      | Starter 4-65W circuit avec phase         |
| 21  | 0035776 UI-Fassung La 26d+Start, Steckb.                           | Lamp + starter socket (UL)                          | UI support La26d+ supp. de starter       |
| 22  | 0013863 Leuchtstofflampe 26x895 30W, ws                            | Fluorescent lamp 30 watts                           | Tube fluo 30W, 26 x 895                  |
| 23  | 0043504 Rollenandrückbügel   | Roller bracket                                      | Support de cylindre                      |
| 24  | 0043503 Auflaufrolle   | Pulley  | Poulie                                   |
| 25  | 0000218 Achse  | Shaft   | Axe galv.                                |
| 26  | 0010875 UI Fassung f.Leuchtstofflampe                              | UI - lamp holder small                              | Douille UL pour tube fluo                |
| 27  | 0011349 Starterfassung   | Holder for starter                                  | Support de starter                       |

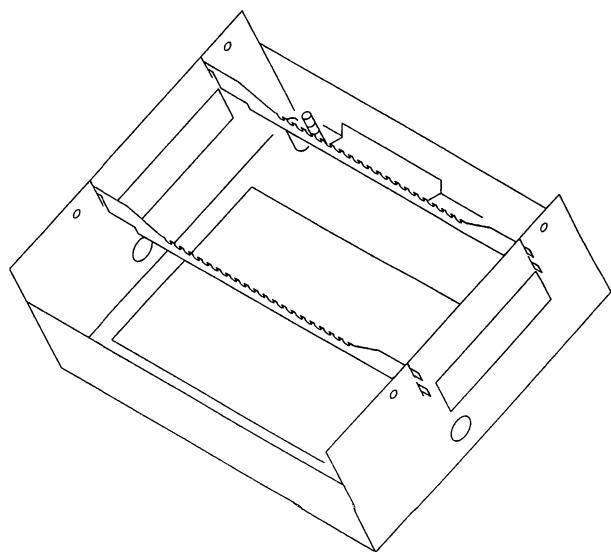
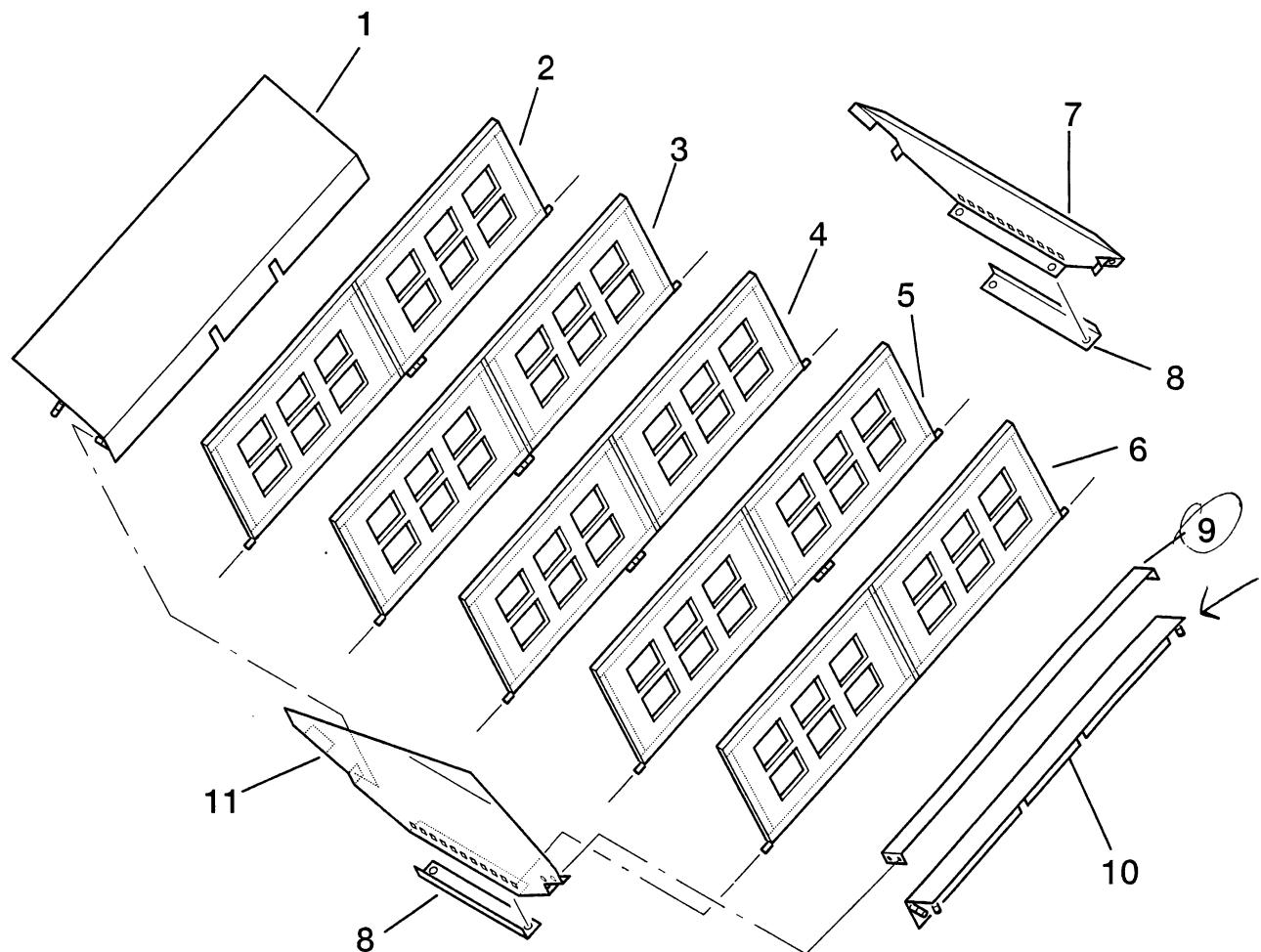
**- Fig. 9 -**



**- Fig. 9 -**

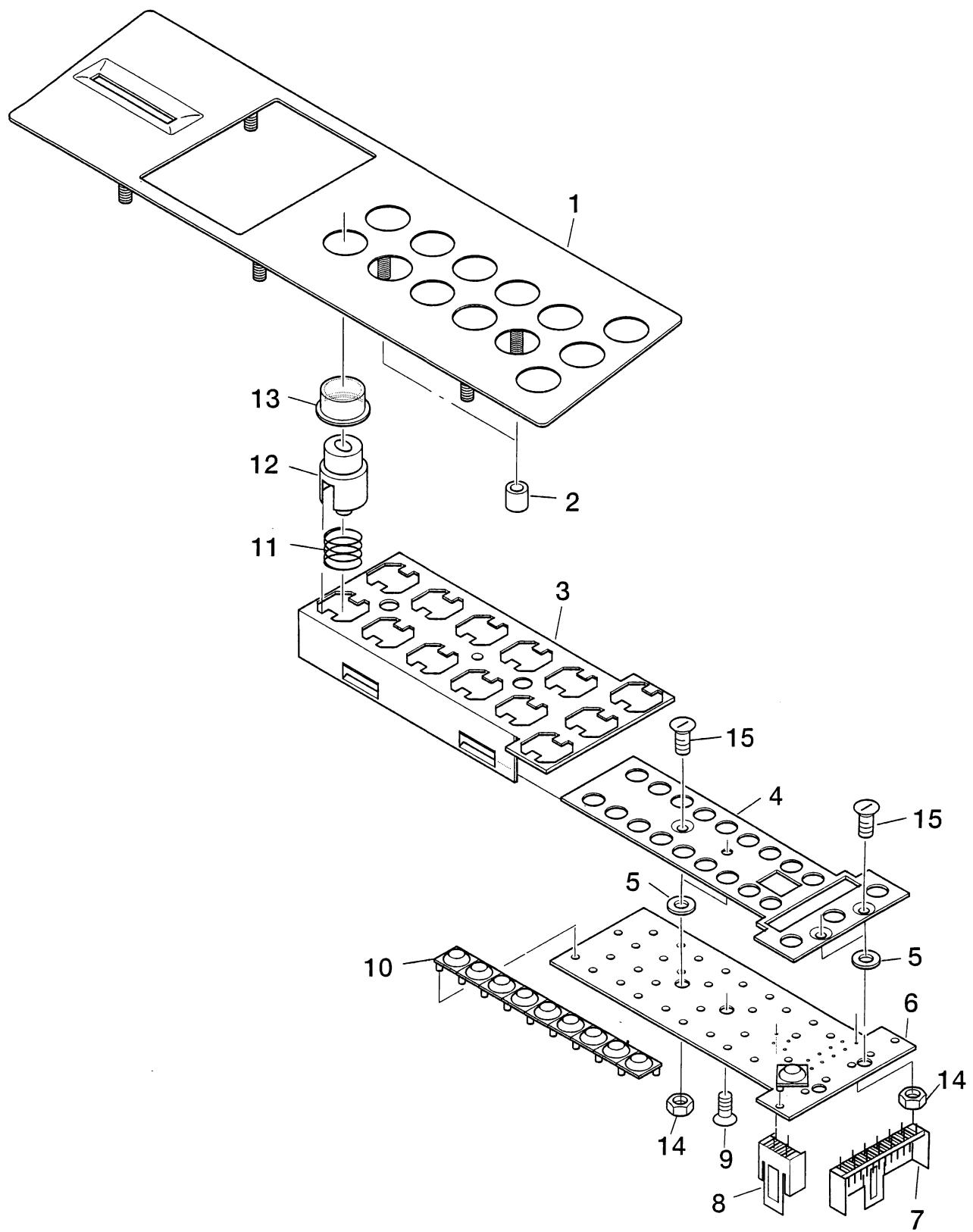
| No. | Motorbuch - Gehäuse                                | Program holder cabinet                    | Unité de contrôle livre - meuble          |
|-----|--|---|---|
| 1   | 0012743 Sicherungsscheibe 9 DIN 6799               | Retaining ring 9 mm                       | Bague de maintien 9 mm                    |
| 2   | 0035831 Führungsachse                              | Guide shaft                               | Axe de guidage                            |
| 3   | 0035836 Antriebsträger                             | Support for motor                         | Support moteur                            |
| 4   | 0035850 Druckfeder                                 | Coil spring                               | Ressort torsade                           |
| 5   | 0035837 Chassis genietet                           | Chassis                                   | Châssis                                   |
| 6   | 0043201 Aufhängung f.Buch links                    | Gramholder LH                             | Porte gramme gauche, Rainbow              |
| 6   | 0043208 Aufhängung f.Buch rechts                   | Gramholder RH rainbow                     | Porte gramme droit, Rainbow               |
| 7   | 0035739 Ansteuerung vollst. Motorbuch              | Control board complete for program holder | Circuit de contrôle pour livre            |
| 8   | 0036478 Kabelbaum Ansteuerung Motor-Buch P5 links  | Loom control unit program holder P5 LH    | Câblage unité de contrôle livre P5 gauche |
| 8   | 0036479 Kabelbaum Ansteuerung Motor-Buch P5 rechts | Loom control unit program holder P5 RH    | Câblage unité de contrôle livre P5 droite |
| 9   | 0035976 Abdeckung für Motorbuch-Steuerung          | Cover for control board                   | Couvercle pour circuit de contrôle        |

- Fig. 10 -



| No. | Buchsstellen | Pages                       | Pages de livre                      |
|-----|--------------|-----------------------------|-------------------------------------|
| 1   | 0048335      | Vestrebung hinten, Rainbow  | Plaque de renfort arrière - Rainbow |
| 2   | 0035066      | Buchselle 3, Rainbow        | Page 3, Rainbow                     |
| 3   | 0035065      | Buchselle 2, Rainbow        | Page 2, Rainbow                     |
| 4   | 0035064      | Buchselle 1, Rainbow        | Page 1, Rainbow                     |
| 5   | 0035067      | Buchselle 4, Rainbow        | Page 4, Rainbow                     |
| 6   | 0035945      | Anhänger - oder Endseite    | Filtor last page                    |
| 7   | 0043220      | Buchsstellen, außen         | Côte extérieur du porte programme,  |
| 8   | 0037076      | Sicherungswinkel            | Programholder side, outside         |
| 9   | 0035929      | Absandshalter               | Support renforce                    |
| 10  | 0043212      | Vestrebung, vorn            | Renforcement                        |
| 11  | 0043205      | Buchsstellen, links         | Porte programme intérieur à gauche  |
| 11  | 0043222      | Buchsstellen, innen, rechts | Porte programme intérieur à droit   |

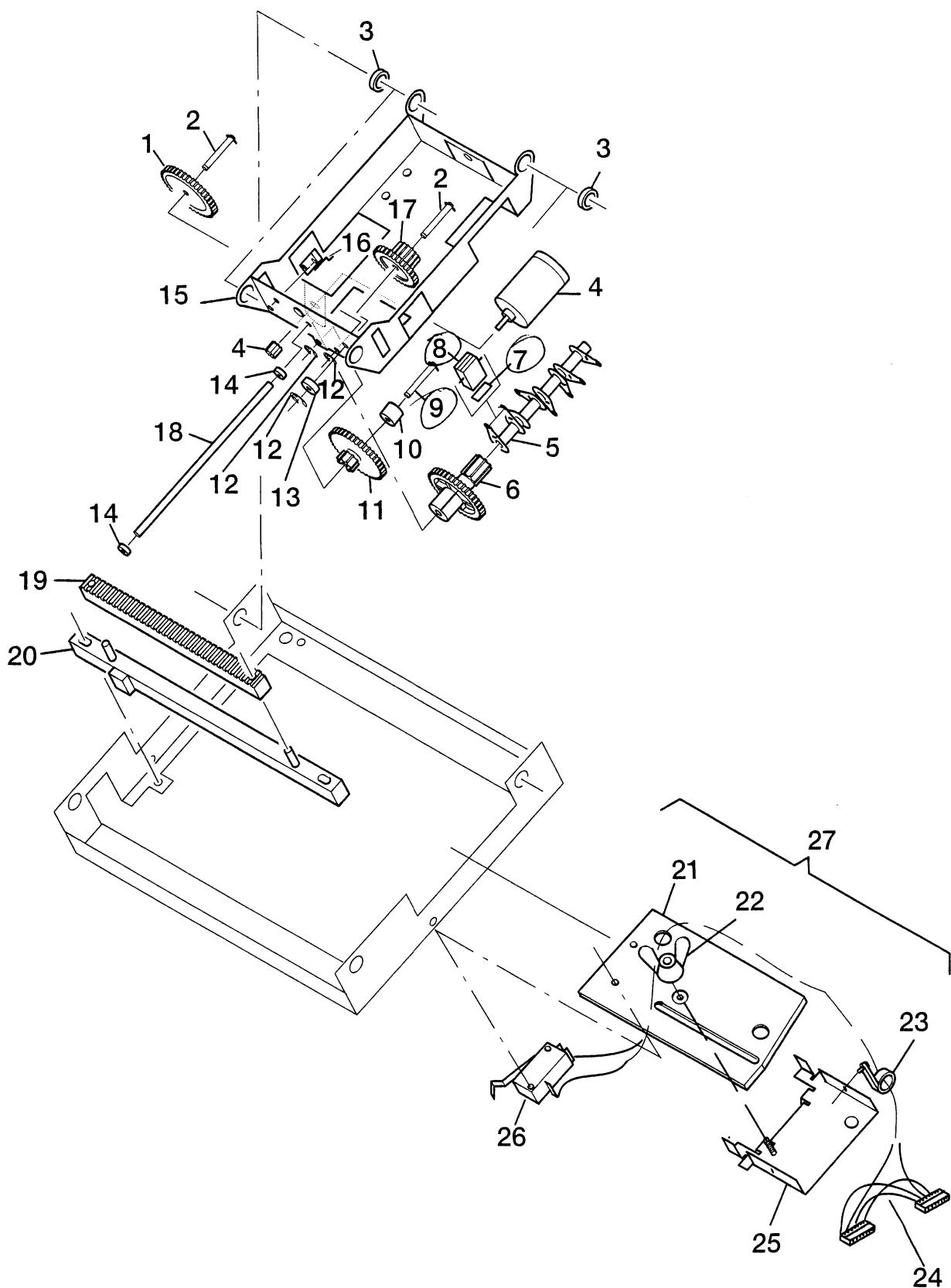
- Fig. 11 -



- Fig. 11 -

| No. | Tastatur                                 | Keyboard                         | Clavier                                    |
|-----|--|----------------------------------|--|
| 1   | 0045344 Tastenblende                     | Keyboard                         | Protection de clavier                      |
| 2   | 0005149 Distanzstück                     | Spacer                           | Entretoise                                 |
| 3   | 0033528 Tastenchassis                    | Keyboard chassis                 | Châssis de clavier                         |
| 4   | 0033521 Druckplatte                      | Pressure plate                   | Contre-plaque                              |
| 5   | 0013605 U-Scheibe 9x4,3x1,4PE rt         | Washer 9 x 4,3 x 1,4             | Rondelle 9 x 4,3 x 1,4                     |
| 6   | 0032782 Gedruckte Schaltung Tastenleiste | Printed board f. keyboard        | Circuit imprimé de clavier                 |
| 7   | 0012254 Stiftleiste 12 Pole r2,5/4 lp-s  | Connector 12 poles               | Connecteur 12 pôles r 2,5/4                |
| 8   | 0012784 Stiftleiste 4 Pole r2,5/4 lp-s   | Connector 4 poles                | Connecteur 4 pôles r 2,5/4                 |
| 9   | 0013102 Linsenschr. M4x16 DIN 7985       | Head screw metric M4x16          | Vis à tête plate M4 x 16                   |
| 10  | 0012256 Kontaktmodul klik key, 20-fach   | Contact module klik-key,20 units | Module de contact, 20-fois, à clé klik     |
| 11  | 0045347 Druckfeder 0,5x12x9              | Tension spring 0,5x12x9          | Ressort de pression 0,5x12x9               |
| 12  | 0049518 Taste gelb, Pfeil ob/unt bedr.   | Push button,yellow arrow         | Bouton d.sélec.jaune,fleche en haut/en bas |
| 12  | 0049519 Taste gelb -R-                   | Push button yellow -r-           | Bouton de sélection jaune -R-imprimé       |
| 12  | 0049520 Taste gelb -0-                   | Push button yellow -0-           | Bouton de sélection jaune -0-imprimé       |
| 12  | 0049521 Taste gelb -1-                   | Push button yellow -1-           | Bouton de sélection jaune -1-imprimé       |
| 12  | 0049522 Taste gelb -2-                   | Push button yellow -2-           | Bouton de sélection jaune -2-imprimé       |
| 12  | 0049523 Taste gelb -3-                   | Push button yellow -3-           | Bouton de sélection jaune -3-imprimé       |
| 12  | 0049524 Taste gelb -4-                   | Push button yellow -4-           | Bouton de sélection jaune -4-imprimé       |
| 12  | 0049525 Taste gelb -5-                   | Push button yellow -5-           | Bouton de sélection jaune -5-imprimé       |
| 12  | 0049526 Taste gelb -6/9-                 | Push button yellow -6/9-         | Bouton de sélection jaune -6/9-imprimé     |
| 12  | 0049527 Taste gelb -7-                   | Push button yellow -7-           | Bouton de sélection jaune -7-imprimé       |
| 12  | 0049528 Taste gelb -8-                   | Push button yellow -8-           | Bouton de sélection jaune -8-imprimé       |
| 13  | 0044107 Tastenhaube                      | Key cover                        | Protection du bouton de sélection          |
| 14  | 0012421 6-Kantmutter M4 DIN 934          | Hex nut M4                       | Ecrou hexagonal M4                         |
| 15  | 0013160 Senkschr. M4x8 DIN 965           | Flat head screw M4 x 8           | Vis à tête fraisée M4 x 8                  |

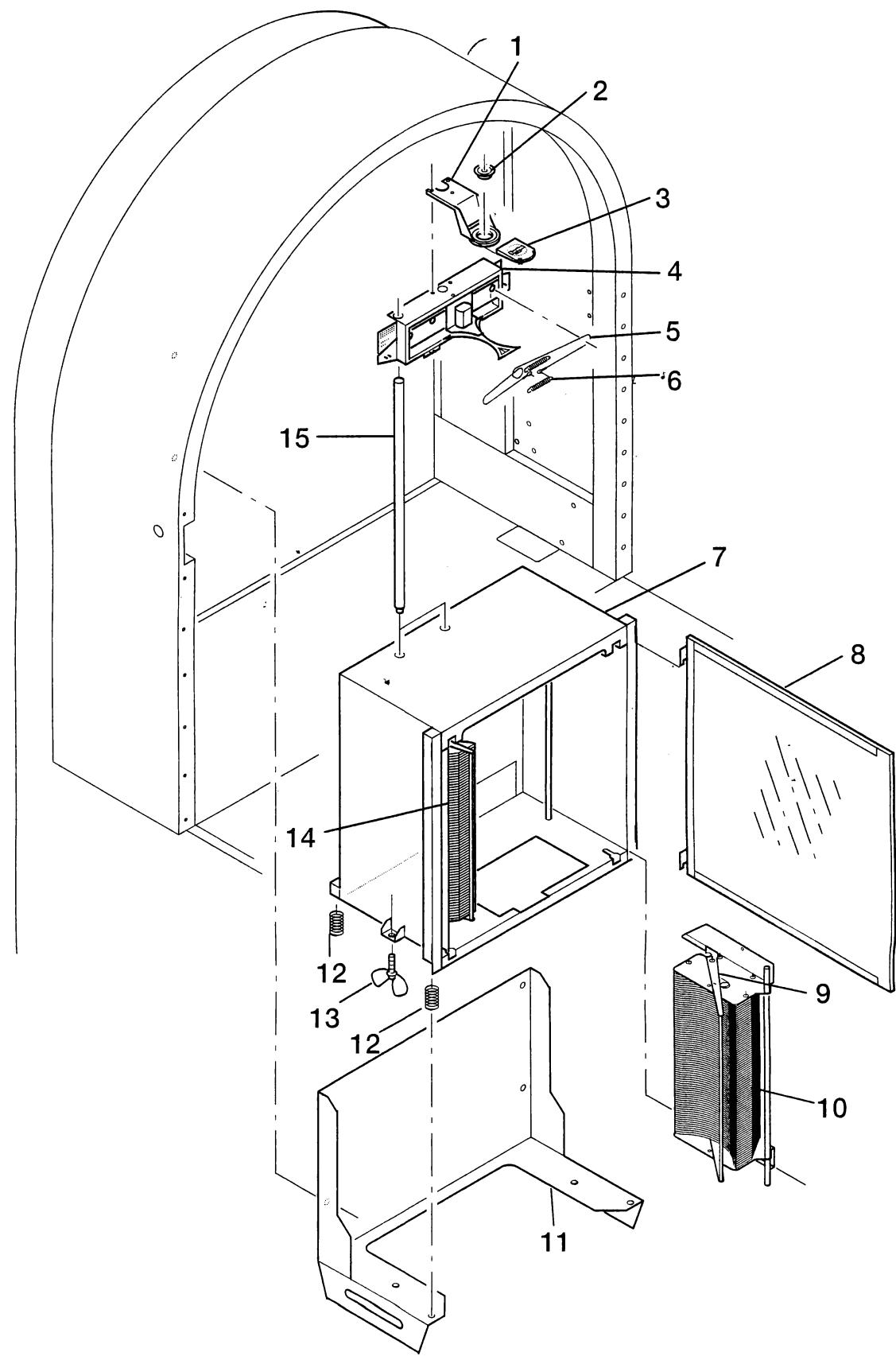
- Fig. 12 -



**- Fig. 12 -**

| No. | Motorbuch - Getriebe                    | Program holder - gear       | Porte programme - mécanisme     |
|-----|---|-----------------------------|---------------------------------|
| 1   | 12598 Zahnrad 38/14 Z. M1 4 di ks       | Pinion T38/14 M1 4 di ks    | Pignon d'entrainement D38/14 M1 |
| 2   | 33101 Bolzen a 4 x 30 x 28 sxn 07       | Bolt a 4 x 30 x 28 sxn 07   | Boulon a 4 x 30 x 28 sxn 07     |
| 3   | 35822 Kunststofflager d10 - Nyliners    | Plastic bearing             | Rondelle de résistance en nylon |
| 4   | 28966 Motor vollständig                 | Motor complete              | Moteur compl.                   |
| 5   | 37775 Mitnehmer                         | Driver                      | Arbre de commande               |
| 6   | 37774 Zahnrad Z40/10 M1                 | Gear wheel z40/10 m1        | Pignon à dents 40/10 M1         |
| 7   | 35830 Ankerblech                        | End plate                   | Plaque en bout galv.            |
| 8   | 35852 Magnethalter vollständig          | Support for magnets         | Support aimante compl.          |
| 9   | 25759 Bolzen a 3x31,5x29,5 ph esn 07    | Pin 3 x 31.5 x 29.5 mm      | Axe 3 x 31,5 x 29,5             |
| 10  | 3696 Distanzrohr ms 8x1,5 7,5 lg        | Spacer 8 x 1.5 x 7.5 mm     | Tube écarteur ms 8x1,5x 7,5 mm  |
| 11  | 36470 Ritzel gekürzt                    | Pinion short                | Pignon court                    |
| 12  | 12543 Sicherungsscheibe 3,2 DIN 6799    | Retaining ring 3.2 mm       | Bague de maintien 3,2 Din 6799  |
| 13  | 9098 Distanzrohr ms 8x1,5 2,8 lg        | Spacer tube 8x1.5 2.8lg     | Tube écarteur 8 x 1,5 2,8 lg    |
| 14  | 28777 Kunststofflager - Nyliners        | Plastic bearing - Nyliners  | Rondelle de résistance en nylon |
| 15  | 38341 Motorträger                       | Motor support               | Support moteur                  |
| 16  | 34703 Mikroschalter re/lks-Lauf         | Micro switch                | Micro contact                   |
| 17  | 36231 Zahnrad Z18/32                    | Pinion 18/32 teeth          | Pignon à dents 18/32            |
| 18  | 37778 Achse 4,5 x 4,5                   | Shaft 4.5 x 4.5             | Axe 4,5 x 4,5                   |
| 19  | 34967 Zahnstange gebohrt                | Toothed rack                | Crémaillère dentelée            |
| 20  | 50693 Stützeiste m.einem Anschlag       | Bracket                     | Support                         |
| 21  | 49758 Schieber für Seitenbegrenzung     | Slide for side stop         | Coureur pour limiter de pages   |
| 22  | 12725 Flügelmutter M4 DIN 315           | Wing nut M4 DIN 315         | Écrou à oreilles                |
| 23  | 13408 Kabelschelle 3,2/4,2 d            | Cable clamp size 1          | Support pour câble              |
| 24  | 49843 Kabel.Seitenbegrenzungsschalter   | Loom for page limiter       | Câblage pour limiter de pages   |
| 25  | 49761 Halter für Seitenbegrenzung       | Holder                      | Support pour limiter de pages   |
| 26  | 44491 Mikroschalt.gebogen,1U 0,1A lp    | Micro switch 1U 0.1A lp     | Micro contact 1U 0,1A lp        |
| 27  | 49762 Seitenbegrenzung Buch vollständig | Page limiter f. page system | Limiter de pages compl.         |

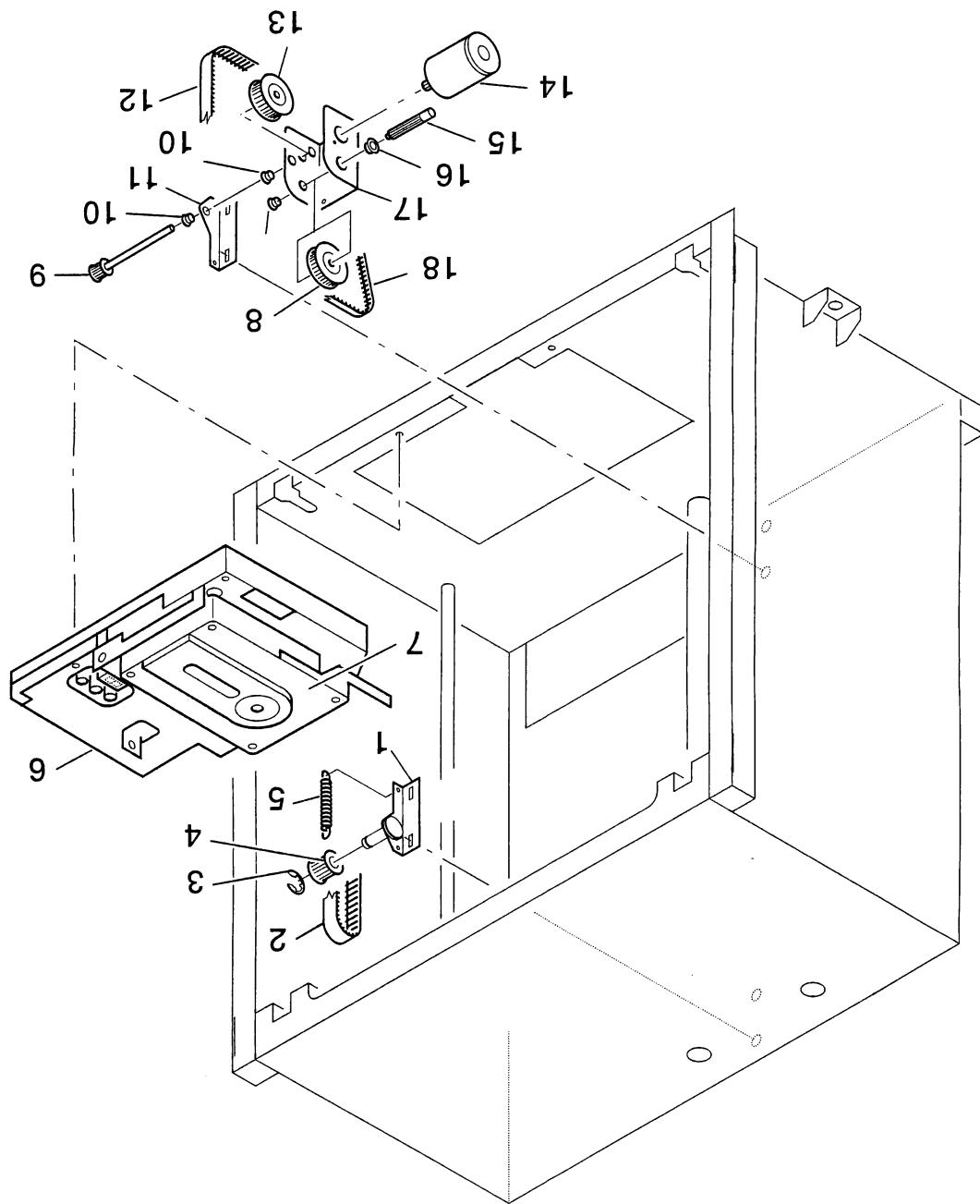
- Fig. 13 -



- Fig. 13 -

| No. | Gehäuse - CDII Maschine                | Cabinet - CDII machine         | Meuble mécanisme CDII                   |
|-----|--|--------------------------------|---|
| 1   | 0035396 Tragarm für Magnetpuck         | Arm for magnet. pressure disk  | Bras pour le disque poussoir aimante    |
| 2   | 0046880 Magnetpuck für CDM12           | Magnetical pressure disk CDM12 | Pression magnétique pour CDM12          |
| 3   | 0045943 Puckabdeckung                  | Cover for magn. pressure disk  | Couvercle du disque poussoir aimante    |
| 4   | 0035405 Auswahlsschlitten vollst.      | CDII selection sledge complete | Ensemble compl.d'entrainement sélection |
| 5   | 0038386 Seil kompl. horiz Antrieb CDII | Rope for horiz drive complete  | Bride compl. pour entraînement horiz.   |
| 6   | 0038388 Zugfeder                       | Tension spring                 | Ressort de tension                      |
| 7   | 0035393 Gehäuse                        | Case                           | Boîtier                                 |
| 8   | 0049836 Klarsichtscheibe               | Pane                           | Vitre                                   |
| 9   | 0043690 Magazin 60 vo.rechts m. Bügel  | Magazine 60 compl. right       | Magasin 60 CDs compl. droit             |
| 10  | 0046963 CD-Magazinelement Nr. 61       | CD-magazine component 61       | Composants 61 magasin CD                |
| 11  | 0044672 Gestell für CDII-Wechsler      | Stand for CDII changer         | Cadre pour CDII                         |
| 12  | 0036551 Druckfeder f.cdii aufhängung   | Coil spring for CDII           | Ressort cylindrique pour CDII           |
| 13  | 0034040 Flügelschr. M6x30 DIN316       | Wing screws M6x30 DIN 316      | Vis à ailettes M6 x 30 DIN 316          |
| 14  | 0043689 Magazin 60 vo. links m.Bügel   | Magazine 60 compl.left         | Magasin 60 compl. gauche                |
| 15  | 0035389 Führungsbolzen d10 beschichtet | Guide bolt d10 with coating    | Axe de guidage d10 pour le chargement   |

2046190 RAINBOW TOWER MECH. COMPL EXCEPT # 11,12+13  
STAND, SPRING, SCREW



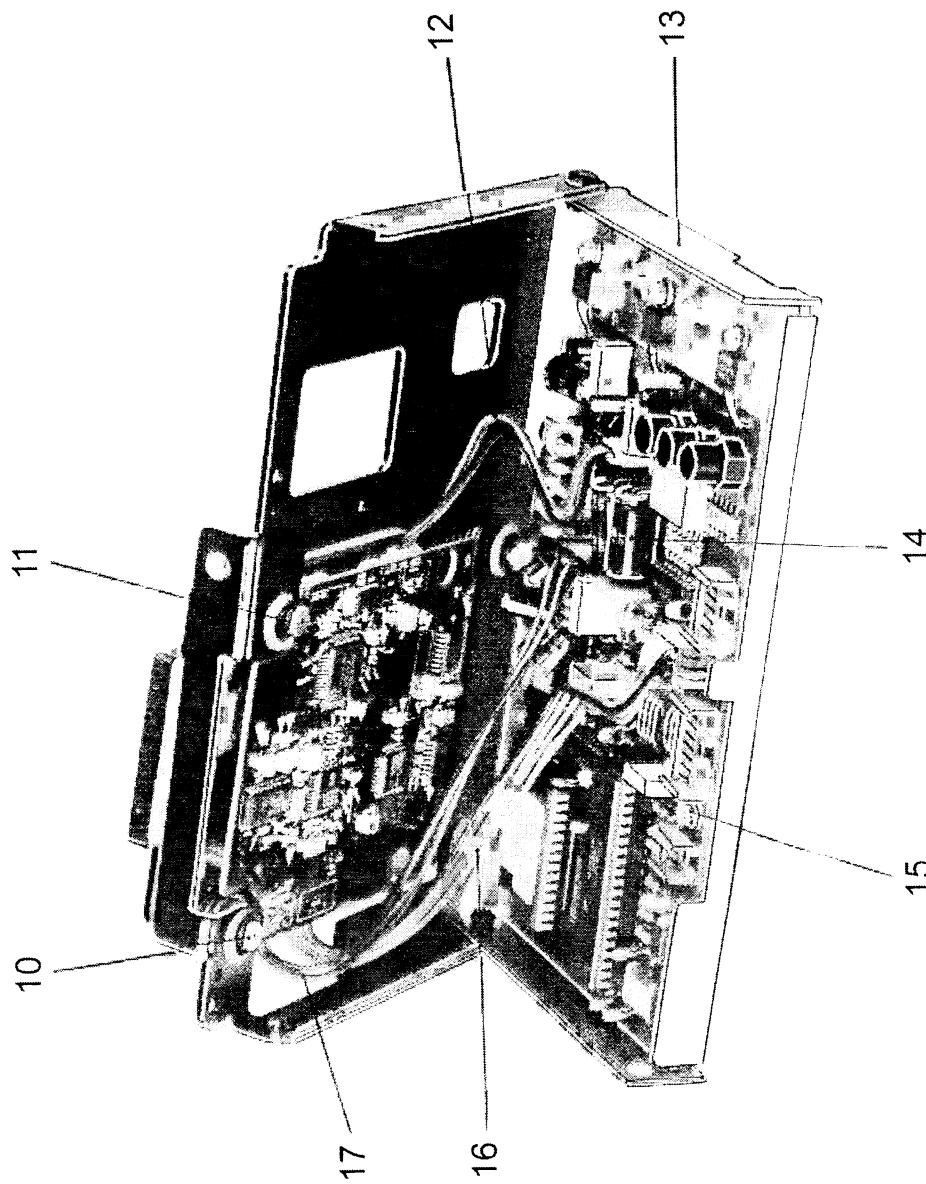
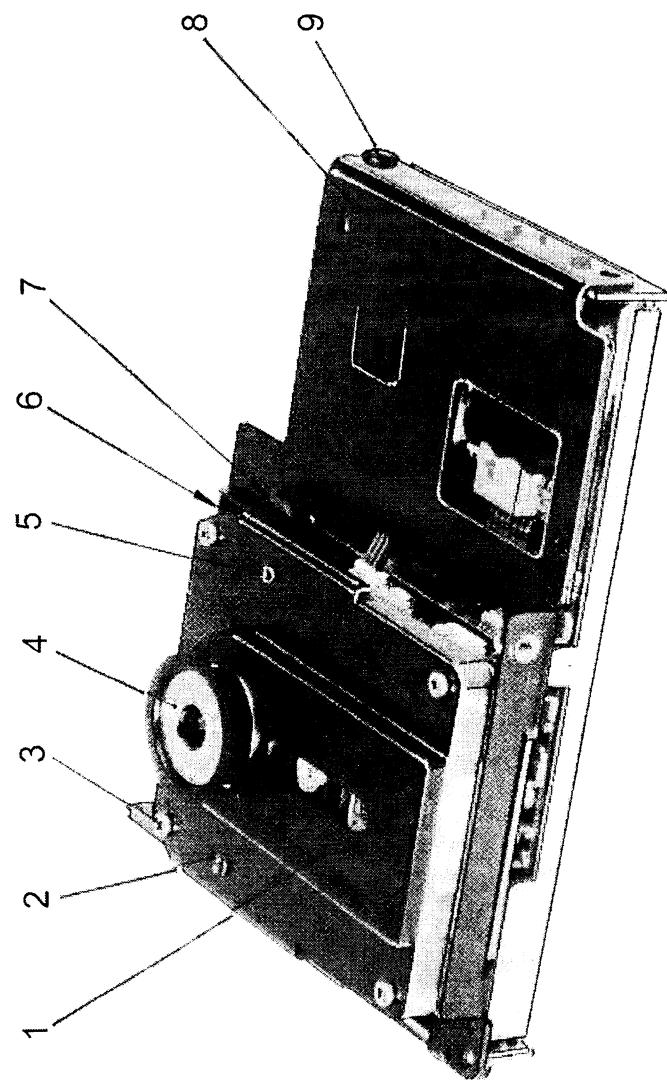
- Fig. 14 -

- Fig. 14 -

| No. | Gehäuse CDII innen                                   | Cabinet CDII inside                        | Meuble CDII intérieur           |
|-----|--|--|---------------------------------|
| 1   | 0035418 Lagerwinkel komplett genietet                | Angle                                      | Support avec angle compl.       |
| 2   | 0036190 Zahnriemen 380 mxl 9,7                       | Tooth belt 380 mxl 9,7                     | Roue dentelée 380 mxl 9,7       |
| 3   | 0012543 Sicherungsscheibe 3,2 DIN 6799               | Retaining ring 3.2 mm                      | Bague de maintien 3,2 DIN 6799  |
| 4   | 0038752 Zahnrämenrad komplett                        | Gear wheel                                 | Engrenage dentelée              |
| 5   | 0043563 Zugfeder f.Zahnrämenspannung                 | Tension spring f. tooth belt               | Ressort de tension              |
| 6   | 0046006 CDII Spieler vollst. CDM12                   | Cdii player compl. CDM12                   | Lecteur CD compl. CDM12         |
| 7   | 0046052 Motor u.Laserchassis-Kit CDM12<br>1054303    | Mot.and laserchassis kit CDM12             | Kit CDM12 avec moteur et laser  |
| 8   | 0035404 Zahnrämenscheibe Z=41 mxl                    | Gear wheel                                 | Pignon Z = 41 mxl               |
| 9   | 0035409 Antriebswelle kompl.mit Zahnrämenscheibbesch | Drive shaft complete with tooth belt wheel | Axe conducteur compl.           |
| 10  | 0035410 Gleitlager WFM-0608-04                       | Bearing WFM-0608-04                        | Joint de protection WFM-0608-04 |
| 11  | 0044369 Lagerwinkel unten                            | Bracket, bottom                            | Support intérieur               |
| 12  | 0036191 Zahnrämen 48 mxl 6,4                         | Tooth belt 48 mxl 6,4                      | Courroie dentelée 48 mxl 6,4    |
| 13  | 0035406 Zahnrämenscheibe mit Nabe                    | Gear wheel with hub                        | Pignon avec moyeu               |
| 14  | 0035077 Kollektormotor 24VDC                         | Motor 24V DC                               | Moteur 24V DC                   |
| 15  | 0035412 Zahnrämenritzel Z=10 mxl                     | Gear wheel Z=10 mxl                        | Pignon Z = 10 mxl               |
| 16  | 0038398 Gleitlager WFM-0405-04                       | Bearing WFM-0405-04                        | Joint de protection WFM-0405-04 |
| 17  | 0036359 Lagerbock                                    | Bearing pedestal                           | Socle de protection             |
| 18  | 0036525 Zahnrämen 48 mxl 4,3                         | Tooth belt 48 mxl 4,3                      | Courroie dentelée 48 mxl 4,3    |

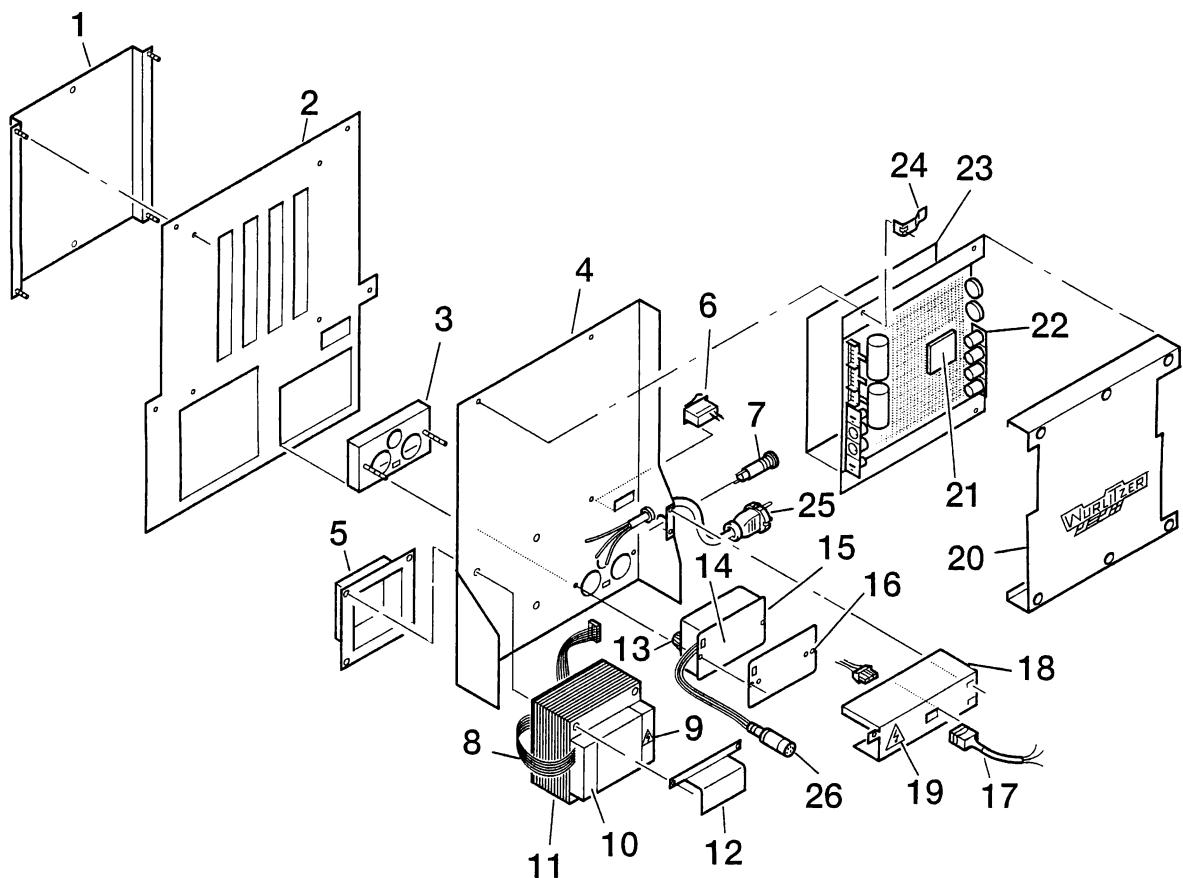
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- Fig. 15 -



|    |         |                                    |                            |                                   |                                    |     |
|----|---------|------------------------------------|----------------------------|-----------------------------------|------------------------------------|-----|
| 1  | 0046006 | CDII-Spieler vollständig CDM12     | CDII player complete CDM12 | CDII reader CDII comp. CDM12      | Laserchassis CDM12 volist.         | No. |
| 2  | 0046857 | Spielerplatte CDI und CDII         | Coating plate CDI and CDII | Plaque de lecteur peint           | Spieldruckplatte CDI und CDII      | 3   |
| 3  | 0013398 | Linsenschr. M3x12 5znn d7985-z     | Cylindrical screw M3x12    | VIS Am3x12 à tête cylindrique     | Magnetrücke für CDII               | 4   |
| 4  | 0046880 | Magnetrücke für CDII               | Magnetic pressure disk     | VIS Am3x12 à tête cylindrique     | Magnetrücke für CDII               | 5   |
| 5  | 0012741 | Schraube d7500-c M3x8 5znn-z       | Screw d7500-c M3x8         | VIS d7500-c M3x8-5znn-z           | Baseplate CDM12                    | 6   |
| 6  | 0046919 | Distanzschüsse für CDM12           | Distance bushing CDM12     | Boutille décallement pour CDM12   | Distanzschüsse für CDM12           | 7   |
| 7  | 0046879 | Druckfeder fCDM12-Abspielkit       | Spring, Phillips FCDM12    | ressort de pression pour CDM12    | Druckfeder fCDM12-Abspielkit       | 8   |
| 8  | 0046781 | Gummplatte CDM12 genietet          | Baseplate CDM12            | Chassis CDM12                     | Gummplatte CDM12 genietet          | 9   |
| 9  | 0046933 | Spreizniet 5x6,5 Kunstsstoff schw. | Rivet 5x6,5 black          | Rivet estension 5 x 6,5 snt. noir | Spreizniet 5x6,5 Kunstsstoff schw. | 10  |
| 10 | 0046878 | Philips-Bolzen fCDM12-Laserkit     | Bolt, Phillips F. CDM12    | Boulon philips pour CDM12         | Philips-Bolzen fCDM12-Laserkit     | 11  |
| 11 | 0012840 | Sicherungsschraube 5 DIN 6799      | Retaining ring 5 mm        | Rondelle sécurité 5 DIN 6799      | Sicherungsschraube 5 DIN 6799      | 12  |
| 12 | 0046731 | Kabelbaum Power CDM12              | Loom power CDM12           | Cablage CDM12                     | Kabelbaum Power CDM12              | 13  |
| 13 | 0046456 | Patronekasten roh                  | Printed circuit box        | Boîtier des circuits imprimés     | Patronekasten roh                  | 14  |
| 14 | 0046630 | Gedruckte Schaltung vollständig    | P.C.B. complete CDM12      | Circuit imprimé CDM12 compl.      | Gedruckte Schaltung vollständig    | 15  |
| 15 | 0046934 | Distanzbohr. 1skb-05               | Distance bolt 1skb-05      | Boulon entretoise 1skb-05         | Distanzbohr. 1skb-05               | 16  |
| 16 | 0046729 | Kabelbaum DSA-Bus CDM12            | Loom DSA bus CDM12         | Cablage DSA-bus CDM12             | Kabelbaum DSA-Bus CDM12            | 17  |
| 17 | 0046730 | Kabelbaum Audio CDM12              | Loom audio CDM12           | Cablage audio CDM12               | Kabelbaum Audio CDM12              |     |

- Fig. 16 -



0008251

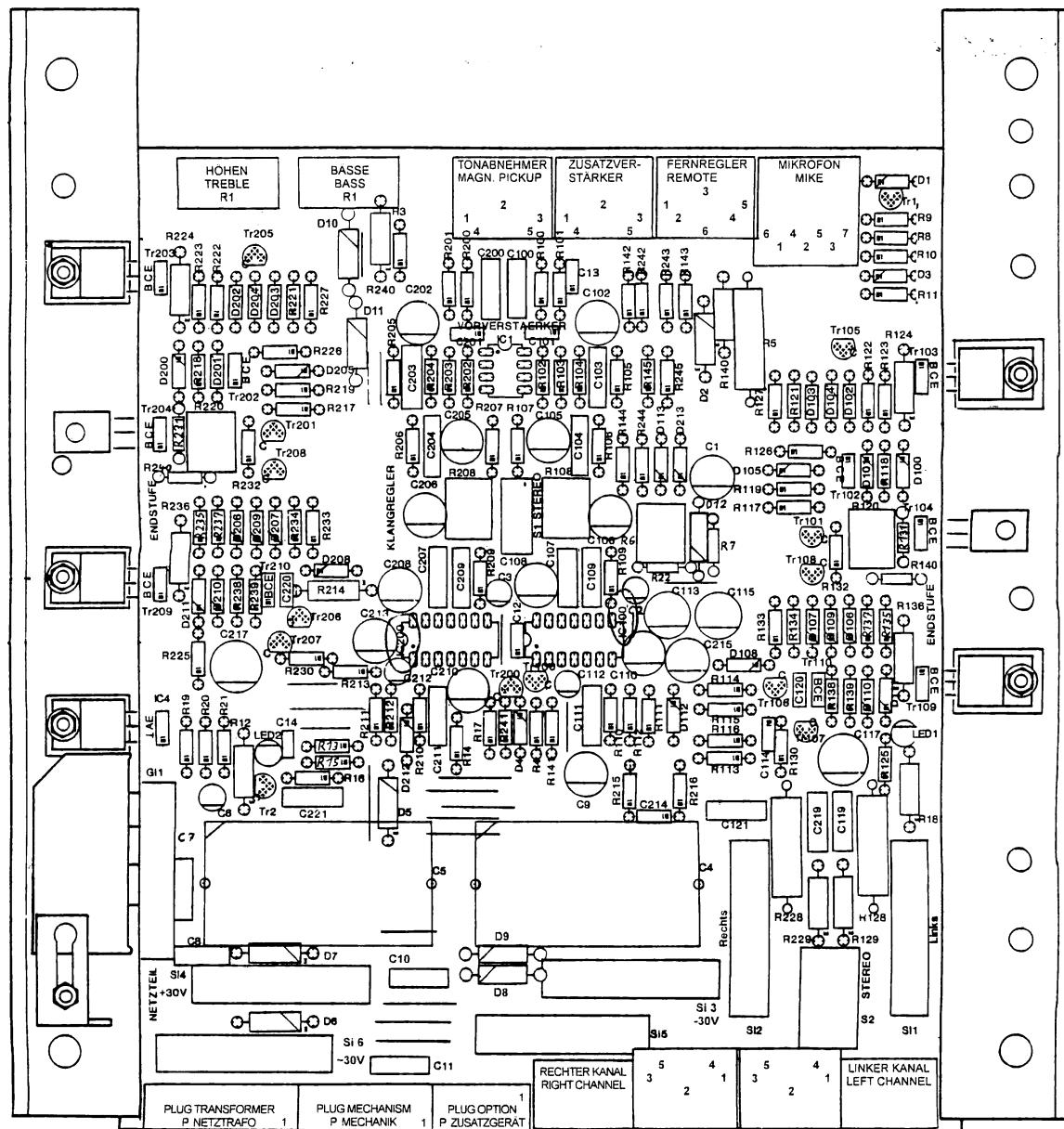
## I 84 Amp. Compl.

- Fig. 16 -

## CONVERSION KIT

| No. | Verstärker I84                               | Amplifier I84                    | Amplificateur I84                                 |
|-----|--|----------------------------------|---|
| 1   | 0048177 Abdeckung Adapterblech I84           | Cover adaptor plate I84          | Couvercle pour plaque d'adaptateur peint          |
| 2   | 0039177 Vorverstärkerchassis lackiert        | Pre-amp-chassis painted          | Châssis de pré-ampli                              |
| 3   | 0010047 Schutzkasten                         | Protection plate                 | Boîtier de protection peint                       |
| 4   | 0002278 Verstärkerchassis                    | Amplifier chassis                | Châssis d'ampli                                   |
| 5   | 0003694 Deckel für Trafo                     | Cover plate for transformer      | Couvercle pour transformateur                     |
| 6   | 0012411 Wippschalter 1S 250V 16A VDE         | Switch, mains                    | Interrupteur à bascule 1S 250V 16A VDE            |
| 7   | 0012417 Sicherungshalter 16 D VDE+UL         | Fuse holder, socket              | Support de fusible 16D VDE/UL                     |
| 8   | 0010606 Kabelbaum Trafo-Verstärker           | Ribbon cable, transf.to ampli.   | Câblage du transformateur à l'ampli               |
| 9   | 0012408 Klebeschild Netztrafo MA-V I84       | Sticker power transf.            | Autocollant de transformateur pour l'alimentation |
| 10  | 0012240 Abdeckung für Kontakte               | Guard cover (plastic cap)        | Couvercle des contacts (plastique de protection)  |
| 11  | 0012418 Netztrafo 100-240/25-0-30V           | Power transformer                | Transformateur 100-240/25-0-29V                   |
| 11  | 0009447 UL Netztrafo 117/25-0-29V            | UL transformer 117/25-0-29       | Transformateur UL 117/25-0-29V                    |
| 12  | 0008944 Winkel f. Klemmenleiste, 6 Pole      | Bracket for connector            | Support de rail pince 6 pôles                     |
| 13  | 0010929 Drehknopf 20/4 d m. Spitze           | Button 20/4                      | Bouton 20/4 D avec tête                           |
| 14  | 0010927 Poti 10 kOhm 10%, Ösen 4dx18         | Potentiometer 10 kOhms           | Potentiometre 10 kOhm 10%, anneau 4dx18           |
| 15  | 0000242 Bedienungskasten vollst.             | Control terminal                 | Boîtier de commande compl.                        |
| 16  | 0003694 Deckel, galv.                        | Cover plate, remote contr. mount | Couvercle galv.                                   |
| 17  | 0028618 Kabelb.Litzen an Klemmenleiste       | Loom on clamping rail            | Câblage de rail pince                             |
| 18  | 0028967 U.-Blech Verstärker I84 CD           | U-sheet metal                    | Plaque support d'ampli I84 CD                     |
| 19  | 0012409 Klebeschild Warnpfeil                | Sticker "spark"                  | Inscription d'avertissement 125 h                 |
| 20  | 0003810 Deckel lack.                         | Lid incl. print                  | Couvercle peint imprimé                           |
| 21  | 0047686 Gedr.Sch. vol. I84 Vorverstärker     | PCB compl. pre amp. I84          | Circuit imprimé de pré-ampli I84                  |
| 22  | 0001260 Gedr.Sch. vol. I84                   | PCB I84 complete                 | Circuit imprimé I84 compl.                        |
| 23  | 0003300 Isolierunterlage                     | Isolation cardboard              | Isolant   |
| 24  | 0000750 Andruckwinkel galv.                  | Clamping bracket                 | Equerre de pression galv.                         |
| 25  | 0014073 Netzleitung + Stecker D 3,5m 3 x 075 | Mains cable with plug            | Circuit avec fiche D 3,5M 3 x 075                 |
| 26  | 0011363 Stecker 6 Pole geschirmt             | Plug 6 poles                     | Croquis prise 6 pôles                             |

- Fig. 17 -



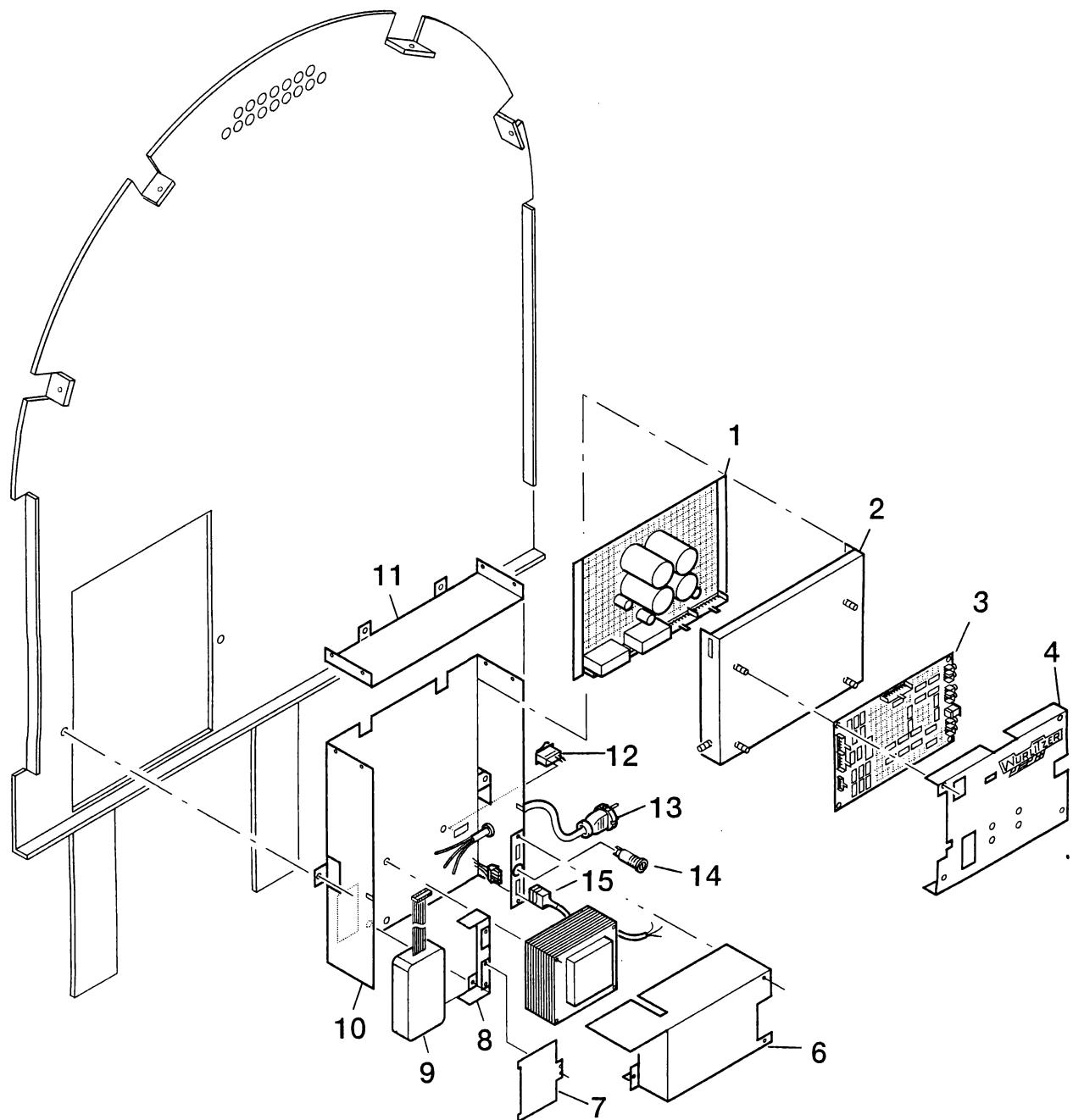
|   | No.     | Verstärker I84 - Gedr. Schaltung          | Amplifier I84 - PCB         | Amplificateur I84 Circ. imprimé                   |
|---|---------|---|-----------------------------|---|
|   | 0001260 | Gedr. Schaltung vollständig mit Kühleiste | PCB complete with heat sink | Circuit imprimé compl. avec blindages climatiques |
| 1 | 0004719 | Gedr. Schaltung vollständig               | PCB complete                | Circuit imprimé compl.                            |
| 2 | 0004205 | Kühleiste                                 | Heat sink                   | Blindages climatiques                             |
| 3 | 0014482 | Glimmerscheibe                            | Mica washer                 | Isolant mica                                      |
| 4 | 0014479 | Isolierbuchse                             | Insulating tube             | Tube isolat                                       |
|   | 0012032 | IC-Sockel DIL14                           | IC socket DIL14             | IC socle DIL14                                    |
|   | 0012833 | Sicherungshalter                          | Fuse holder                 | Support de fusible                                |
|   | 0013813 | Stiftleiste 10 Pole                       | Receptacle 10 poles         | Connecteur à broches 10 pôles                     |
|   | 0013812 | Stiftleiste 9 Pole                        | Receptacle 9 poles          | Connecteur à broches 9 pôles                      |
|   | 0013481 | Stiftleiste 6 Pole                        | Receptacle 6 poles          | Connecteur à broches 6 pôles                      |
|   | 0014384 | Steckdose 7 Pole                          | Socket 7 poles              | Socle 7 pôles                                     |
|   | 0012080 | Steckdose 6 Pole                          | Socket 6 poles              | Socle 6 pôles                                     |
|   | 0013480 | Steckdose 5 Pole                          | Socket 5 poles              | Socle 5 pôles                                     |
|   | 0012079 | Steckdose 2 Pole                          | Socket 2 poles              | Socle 2 pôles                                     |

- Fig. 17 -

| Teile Bezeichnung  | Wert                   | No.     |
|--|------------------------|---------|
| C1   | 100 $\mu$ 6V - Elko    | 0012094 |
| C2, C3, C4, C112, C113, C212, C213   | 1 $\mu$ 40V - Elko     | 0014455 |
| C4, C5   | 4700 $\mu$ 40V         | 0012091 |
| C7, C8   | 220n 10% 100V          | 0012085 |
| C9, C110, C220   | 10 $\mu$ 40V           | 0012787 |
| C10, C11   | 1 $\mu$ 10% 100V       | 0012785 |
| C12, C13   | 100n 50V               | 0014098 |
| C14, C114, C214  | 4n7 100V               | 0014335 |
| C100, C200   | 470n 10% 63V           | 0013247 |
| C101, C201   | 27p 100V               | 0012011 |
| C102, C105, C106, C202, C205, C206   | 4 $\mu$ 7 40V          | 0012092 |
| C103, C203   | 4n7 10% 400V           | 0012088 |
| C104, C204   | 1n 10% 400V            | 0012089 |
| C107, C207   | 6n8 10% 160V           | 0012087 |
| C108, C117, C208, C218   | 47 $\mu$ 40V - Elko    | 0014385 |
| C109, C121, C209, C221   | 100n 10% 100V          | 0013485 |
| C111, C211   | 330n 10% 63V           | 0012084 |
| C115, C215   | 2 $\mu$ 2 40V - Elko   | 0012093 |
| C119, C219   | 47 $\mu$ 100V - Elko   | 0012086 |
| C120, C220   | 220p 100V              | 0012090 |
| D1, D3, D5, D100-103, D105-108, D110, D111, D200-203, D205-208, D210, D211 | 100V 150mA             | 0013148 |
| D2, D6-11  | Si 400V 1A<br>1N4004   | 0012564 |
| D4, D112, D212   | Si Z5V6 5% 1,3W        | 0014149 |
| D104, D109, D113, D204, D209, D213   | Ge 100V 150mA<br>AA118 | 0012033 |
| G11  | Si 8250-<br>C5000/3500 | 0012098 |
| IC1  | LM387N                 | 0012097 |
| IC4  | LM317T 1,2/57V<br>1,5A | 0012096 |
| IC100, IC200   | TDA4290                |         |
| LED1   | CQY94-20mA<br>60mW     | 0012051 |
| LED2   | CQY20-4 50mA<br>100mW  | 0013147 |
| R1, R2   | 10k                    | 0012083 |
| R3, R9, R13, R17, R104, R113, R127, R133, R204, R213, R227, R233           | 4k7 5% 1/3W            | 0012777 |
| R4, R8, R141, R241   | 47k 5% 1/3W            | 0014063 |
| R5   | 1k 10% 4W              | 0012069 |
| R6   | 1m LP-S10 R5/10        | 0012081 |
| R7, R16, R20, R101, R103, R109, R114, R201, R203, R209, R214               | 1k 5% 1/3W             | 0014064 |
| R10, R11, R116, R131, R216, R231   | 2k7 5% 1/3W            | 0011992 |
| R12  | 4k7 10% 1/2W           | 0012072 |
| R14  | 100k 5% 1/3W           | 0012775 |
| R15, R119, R219  | 10k 5% 1/3W            | 0012776 |
| R18  | 3k9 10% 1/2W           | 0012043 |

| Teile Bezeichnung                                   | Wert                                   | No.     |
|---|--|---------|
| R19, R110, R126, R132,                              | 220R 5% 1/3W                           | 0011996 |
| R21   | 1k5 5% 1/3W                            | 0011993 |
| R100, R200  | 56k 5% 1/3W                            | 0012062 |
| R102, R202  | 150k 5% 1/3W                           | 0012060 |
| R105, R205  | 560k 5% 1/3W                           | 0012059 |
| R106, R206  | 82k 5% 1/3W                            | 0012061 |
| R107, R207  | 1k8 5% 1/3W                            | 0012064 |
| R108, R120, R208, R220                              | 10k LP-S10<br>R5/10                    | 0012082 |
| R111, R211  | 10R 5% 1/3W                            | 0014093 |
| R112, R212  | 8,2 5% 1/3W                            | 0011998 |
| R115, R215  | 15k 5% 1/3W                            | 0012041 |
| R117, R123, R135, R217.                             | 330R 5% 1/3W                           | 0011995 |
| R223, R235  |  |         |
| R118, R218  | 47R 5% 1/3W                            | 0012067 |
| R121, R130, R134, R221,                             | 100R 5% 1/3W                           | 0014389 |
| R230, R234  |  |         |
| R122, R137, R222, R237                              | 390R 5% 1/3W                           | 0012065 |
| R124, R136, R224, R236                              | 0,47R 10% 4W                           | 0012071 |
| R125, R225  | 6k8 5% 1/3W                            | 0013136 |
| R128, R228  | 0,10R 10% 4W                           | 0012070 |
| R129, R229  | 10R 5% 1/3W                            | 0012073 |
| R138, R238  | 1k2 5% 1/3W                            | 0013931 |
| R140, R240  | 2k2 5% 1/3W                            | 0014247 |
| R142, R242  | 180R 5% 1/3W                           | 0012066 |
| R143, R243  | 18R 5% 1/3W                            | 0012063 |
| R144, R244  | 560R 5% 1/3W                           | 0011994 |
| R145, R245  | 2k2 5% 1/3W                            | 0014142 |
| S1  | 2U LP 30V 1A                           | 0014453 |
| S2  | 2U LP 5A                               | 0013482 |
| Si1-6   | 3,15A                                  | 0012407 |
| Tr1, Tr100, Tr105, Tr200,                           | Si-n 50V 0,8A                          | 0012782 |
| Tr205   | 0,6W BC337-25                          |         |
| Tr2 Tr101, Tr106, Tr108, Tr201, Tr206, Tr207, Tr208 | Si-p 50V 0,8A                          | 0014390 |
| Tr102, Tr202  | 0,6W BC327-25                          |         |
| Si-p 80V 1,5A                                       | 0012077                                |         |
| 10W KOM BD140                                       |  |         |
| Tr103, Tr203  | Si-p 100V 8A 80W                       | 0012075 |
| DARL  |  |         |
| BDX53CKOMP  |  |         |
| Tr104, Tr204  | Si-n 60V 1,5A<br>10W BD137-10          | 0012076 |
| Tr109, Tr209  | Si-p 100V 8A 80W<br>DARL<br>BDX54CKOMP | 0012074 |
| Tr110, Tr210  | Si-n 80V 1,5A<br>10W KOM BD139         | 0012078 |

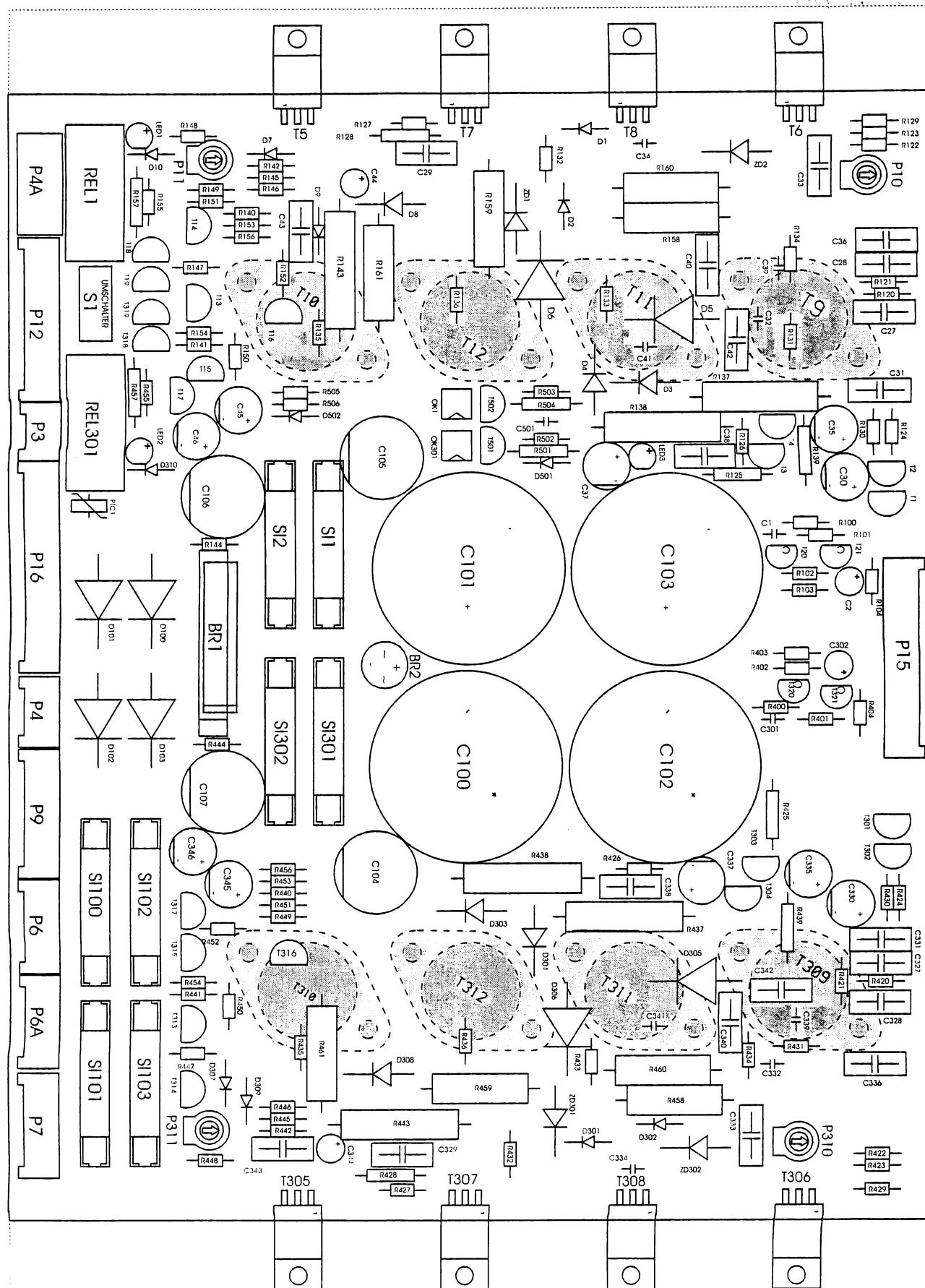
- Fig. 18 -



| No. | Versatranker F91  | Amplificateur F91  | Amplifier F91  |
|-----|---|--|--|
| 1   | 0038575 Gehr.-Sch. Endstufe Versatrank.<br>Printed circuit power amp      | Printed circuit power amp<br>Circuit imprimé compl.                      | Circuit imprimé compl.   |
| 2   | 0039177 Voreinstärkerchassis lack.<br>Pre-amp-chassis Painted             | Pre-amp-chassis Painted<br>Chassis du pré-ampli peint                    | Chassis du pré-ampli peint   |
| 3   | 0038611 Gehr.-Sch. Vorsilte Versatrank.<br>Printed circuit pre amp        | Printed circuit pre amp<br>Circuit imprimé compl.                        | Circuit imprimé compl.   |
| 4   | 0039181 Voreinstärker Abdækning bør.<br>Cover pre amp printed             | Cover pre amp printed<br>Couvercle de pré-ampli imprimé                  | Couvercle de pré-ampli imprimé   |
| 5   | 0039402 Netzratio pm 14/54/2ip<br>Transformer pm 14/54/2ip                | Transformer pm 14/54/2ip<br>VDE/UL cover printed                         | Transformer pm 14/54/2ip<br>Plaque de fixation pour commutateur pm 14/54/2ip                         |
| 6   | 0043911 VDE/UL-Abdeckung, bedruckt<br>VDE/UL cover printed                | VDE/UL cover printed<br>Plaque de fixation pour commutateur pm 14/54/2ip | VDE/UL couvercle peint imprimé<br>Plaque de fixation pour commutateur pm 14/54/2ip                   |
| 7   | 0039187 Klemmblech für Federniedierung<br>Plate for remote control        | Klemmblech für Federniedierung<br>Plate for remote control               | Plaque de fixation pour commutateur pm 14/54/2ip<br>Plaque de fixation pour commutateur pm 14/54/2ip |
| 8   | 0039189 Fixblech für Federniedierung<br>Plate for remote control          | Fixblech für Federniedierung<br>Plate for remote control                 | Plaque de fixation pour commutateur pm 14/54/2ip<br>Plaque de fixation pour commutateur pm 14/54/2ip |
| 9   | 0039661 Bedienkasten vo. Versatrank F91<br>Control terminal amplifier F91 | Bedienkasten vo. Versatrank F91<br>Control terminal amplifier F91        | Boîtier de commande du pré-ampli<br>Boîtier de commande du pré-ampli                                 |
| 10  | 0049148 Voreinstärkerchassis F91<br>Amplifier chassis F91                 | Voreinstärkerchassis F91<br>Amplifier chassis F91                        | Chassis versatrank<br>Chassis d'ampli F91 peint  |
| 11  | 0039174 Chassisversatrank<br>Chassis reinforcement                        | Chassis reinforcement<br>Chassis reinforcement                           | Renforçot de chassis peint<br>Renforçot de chassis peint   |
| 12  | 0012411 Wippschalter 1S 250V 16A VDE<br>Switch, mains                     | Wippschalter 1S 250V 16A VDE<br>Switch, mains                            | Interruuteur à bascule 1S 250V 16A<br>Switch, mains  |
| 13  | 0014073 Netzteil + Stecker d3,5m 3 x 075<br>VDE                           | Netzteil + Stecker d3,5m 3 x 075<br>VDE                                  | Câble d'alimentation avec prise d'3,5<br>m 3 x 075   |
| 14  | 0012417 Sicherungshalter 16 VDE+UL<br>Fuse holder socket                  | Sicherungshalter 16 VDE+UL<br>Fuse holder cap                            | Support de fusible 16 VDE+UL<br>Couvercle pour support de fusible 5 x<br>20 VDE                      |
| 14  | 0012416 Sicher-halterkappe für 5x20 VDE<br>Fuse holder cap                | Sicher-halterkappe für 5x20 VDE<br>Fuse holder cap                       | Couvercle pour support de fusible 5 x<br>32 UL (USA)   |
| 14  | 0012888 Sicher-halterkappe für 6x32 UL<br>Fuse holder cap (USA uses)      | Sicher-halterkappe für 6x32 UL<br>Fuse holder cap (USA uses)             | Couvercle pour support de fusible 6 x<br>32 UL (USA)   |
| 14  | 0012407 Schmelzeinsatz T3,15A250V5x20<br>Fuse 3amps slow blow             | Schmelzeinsatz T3,15A125V6x32<br>Fuse 3amps 125V USA                     | Fusible T3,15A125V6 x 32<br>Fusible 3amps slow blow  |
| 14  | 0012887 Schmelzeinsatz T3,15A250V5x20<br>Fuse 3amps slow blow             | Schmelzeinsatz T3,15A125V6x32<br>Fuse 3amps 125V USA                     | Fusible T3,15A125V6 x 32<br>Fusible 3amps slow blow  |
| 15  | 0001566 Kabelbaum, Vorschaltungsele                                       | Kabelbaum, Vorschaltungsele  | Câbleage du ballast ampe   |

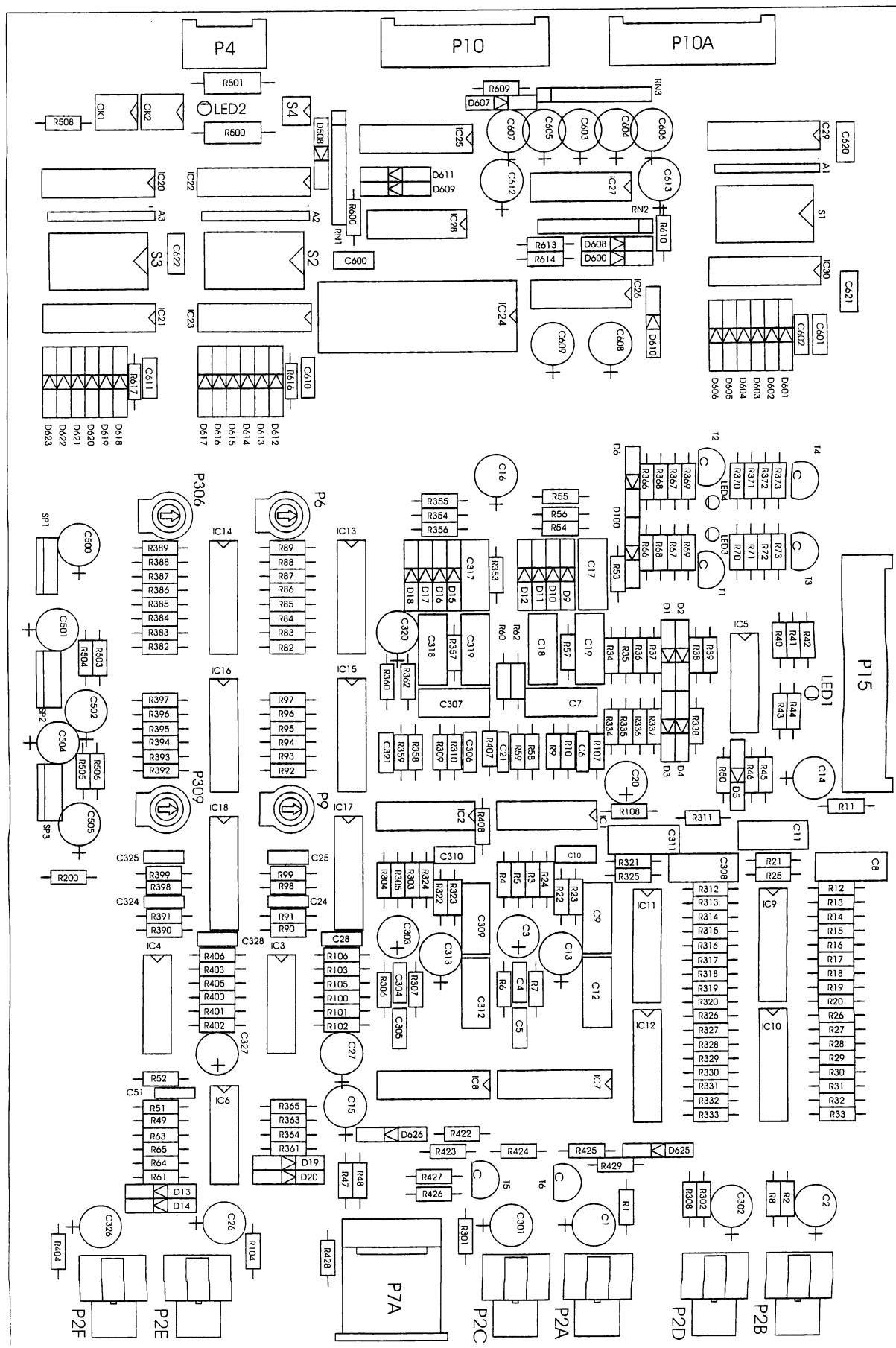
- Fig. 19 -

Bestückungsplan Endstufe F91, Board layout power amplifier F91, Tableau du tracé de puissance de l'amplificateur F91



| Teile Bezeichnung       | Art.-Nr. | Wert    | Wert                       | Art.-Nr.          |
|-------------------------|----------|---------|----------------------------|-------------------|
| R100, R400              | 330k     | 0014202 | C41, C341                  | 100p              |
| R101, R401              | 82k      | 0012061 | C42, C342                  | 1n                |
| R102, R402              | 470R     | 0013137 | C43, C343                  | 100n              |
| R103, R403              | 1M       | 0012774 | C44, C344                  | 244/2100V-Eliko   |
| R104, R404              | 2.2k     | 0014142 | C45, C345, C46, C346       | 220u              |
| R105, R405              | 33k      | 0012433 | C100, C101, C102, C103     | 8200u/80V         |
| R106, R406              | 1k       | 0014064 | C104, C105, C106, C107     | 1000u/80V         |
| R107, R407              | 4k7      | 0012777 | D501                       | 4n                |
| R108, R408              | 22k      | 0013172 | D1, D301, D501, D2, D302,  | 1N4446            |
| R109, R409              | 680R     | 0012778 | D502                       | 0014383           |
| R110, R410              | 12k1W    | 0038583 | D5, D305, D6, D306         | MR822             |
| R111, R411              | 100R     | 0012433 | D100, D101, D102, D103     | MR822             |
| R112, R412              | 100R     | 0014064 | D310                       | 1N4007            |
| R113, R413, R134, R434  | 390R     | 0014389 | D8, D308                   | 1N4007            |
| R114, R414              | 100R     | 0012775 | T5, T305, T7, T307         | MJE350            |
| R115, R415              | 100k     | 0014203 | T6, T306, T8, T308         | MJE340            |
| R116, R416              | 39k      | 0014203 | T9, T309, T11, T311        | 2SK1058           |
| R117, R417              | 10k      | 0012776 | T10, T310, T12, T312       | 2SK1162           |
| R118, R418              | 10k      | 0012776 | T13, T313, T14, T314, T15, | BC556             |
| R119, R419              | 39k      | 0014203 | T16, T316                  | BC546             |
| R120, R420              | 10k      | 0012776 | T17, T317, T18, T318, T19, | BC556             |
| R121, R421              | 10k      | 0014203 | T319                       | 0014390           |
| R122, R422, R123, R423  | 150R     | 0011997 | T20, T320 - upn            | BC337             |
| R123, R423              | 100R     | 0012433 | T21, T321 - pup            | BC327             |
| R124, R424              | 100k     | 0012775 | P6, P6A                    | SiHfleiste 6-pol  |
| R125, R425              | 100k     | 0012775 | P7                         | SiHfleiste 7-pol  |
| R126, R426              | 2k2      | 0014142 | P9                         | SiHfleiste 9-pol  |
| R127, R427              | 10k      | 0012776 | P12                        | SiHfleiste 12-pol |
| R128, R428              | 10k      | 0012776 | P15                        | SiHfleiste 15-pol |
| R129, R429              | 10k      | 0012776 | P16                        | SiHfleiste 16-pol |
| R130, R430              | 100R     | 0014389 | P19                        | SiHfleiste 9-pol  |
| R131, R431              | 33k      | 0012433 | P3                         | SiHfleiste 3-pol  |
| R132, R432              | 100R     | 0014389 | P4                         | SiHfleiste 4-pol  |
| R133, R433, R134, R434  | 390R     | 0012065 | P4A                        | Klemmleiste 2-    |
| R134, R434              | 10k      | 0012776 | P4A                        | Klemmleiste 4-pol |
| R135, R435, R136, R436  | 150R     | 0012064 | P4                         | SiHfleiste 4-pol  |
| R136, R436              | 10k      | 0014064 | P3                         | SiHfleiste 3-pol  |
| R137, R437, R138, R438  | 47R5W    | 0012779 | P4                         | SiHfleiste 4-pol  |
| R138, R438              | 10k      | 0012776 | P4A                        | Klemmleiste 2-    |
| R139, R439              | 1R81W    | 0001135 | P6, P6A                    | SiHfleiste 6-pol  |
| R140, R440              | 100k     | 0012775 | T20, T320 - upn            | BC337             |
| R141, R441              | 10k      | 0012776 | T21, T321 - pup            | BC327             |
| R142, R442              | 10k      | 0012776 | T315                       | 0044287           |
| R143, R443              | 10R5W    | 0039560 | T13, T313, T14, T314, T15, | BC556             |
| R144, R444              | 1k       | 0014064 | T16, T316                  | BC546             |
| R145, R445              | 39k      | 0014203 | T17, T317, T18, T318, T19, | BC556             |
| R146, R446, R148, R448, | 10k      | 0012776 | T319                       | 0031578           |
| R147, R447              | 100k     | 0012775 | T20, T320 - upn            | BC337             |
| R148, R449              | 10k      | 0012776 | T21, T321 - pup            | BC327             |
| R149, R449              | 10k      | 0012776 | P6, P6A                    | SiHfleiste 6-pol  |
| R150, R450, R152, R452  | 39k      | 0014203 | P7                         | SiHfleiste 7-pol  |
| R151, R451              | 10k      | 0012776 | P9                         | SiHfleiste 9-pol  |
| R152, R452              | 2k2      | 0014142 | P12                        | SiHfleiste 12-pol |
| R153, R453              | 330k     | 0014202 | P15                        | SiHfleiste 15-pol |
| R154, R454              | 100k     | 0012775 | P16                        | SiHfleiste 16-pol |
| R155, R455              | 390R     | 0012065 | P19                        | SiHfleiste 9-pol  |
| R156, R456              | 2k2      | 0014142 | P7                         | SiHfleiste 7-pol  |
| R157, R457              | 0R       | 0012944 | P9                         | SiHfleiste 9-pol  |
| R158, R458, R159, R459, | 0.22R4W  | 0038584 | P12                        | SiHfleiste 12-pol |
| R159, R459              | 0.22R4W  | 0038584 | P15                        | SiHfleiste 15-pol |
| R160, R460, R161, R461  | 0.22R4W  | 0038584 | P16                        | SiHfleiste 16-pol |
| R161, R461              | 1W1W     | 0033482 | P19                        | SiHfleiste 9-pol  |
| R162, R462              | 10k      | 0012776 | P7                         | SiHfleiste 7-pol  |
| R163, R463              | 10R5W    | 0039560 | P9                         | SiHfleiste 9-pol  |
| R164, R464              | 1k       | 0014064 | P12                        | SiHfleiste 12-pol |
| R165, R465              | 39k      | 0014203 | P15                        | SiHfleiste 15-pol |
| R166, R466              | 10k      | 0012776 | P16                        | SiHfleiste 16-pol |
| R167, R467              | 0R       | 0012944 | P19                        | SiHfleiste 9-pol  |
| R168, R468              | 10k      | 0012776 | P7                         | SiHfleiste 7-pol  |
| R169, R469              | 10k      | 0012776 | P9                         | SiHfleiste 9-pol  |
| R170, R470              | 10k      | 0012776 | P12                        | SiHfleiste 12-pol |
| R171, R471              | 10k      | 0012776 | P15                        | SiHfleiste 15-pol |
| R172, R472              | 10k      | 0012776 | P16                        | SiHfleiste 16-pol |
| R173, R473              | 1W1W     | 0033482 | P19                        | SiHfleiste 9-pol  |
| R174, R474              | 10k      | 0012776 | P7                         | SiHfleiste 7-pol  |
| R175, R475              | 0R       | 0012944 | P9                         | SiHfleiste 9-pol  |
| R176, R476              | 10k      | 0012776 | P12                        | SiHfleiste 12-pol |
| R177, R477              | 10k      | 0012776 | P15                        | SiHfleiste 15-pol |
| R178, R478              | 10k      | 0012776 | P16                        | SiHfleiste 16-pol |
| R179, R479              | 1R81W    | 0001135 | P19                        | SiHfleiste 9-pol  |
| R180, R480              | 100k     | 0012775 | P7                         | SiHfleiste 7-pol  |
| R181, R481              | 10k      | 0012776 | P9                         | SiHfleiste 9-pol  |
| R182, R482              | 12k1W    | 0038586 | P12                        | SiHfleiste 12-pol |
| R183, R483              | 100R     | 0014389 | P15                        | SiHfleiste 15-pol |
| R184, R484              | 100R     | 0014389 | P16                        | SiHfleiste 16-pol |
| R185, R485              | 10k      | 0012776 | P19                        | SiHfleiste 9-pol  |
| R186, R486              | 10k      | 0012776 | P7                         | SiHfleiste 7-pol  |
| R187, R487              | 10k      | 0012776 | P9                         | SiHfleiste 9-pol  |
| R188, R488              | 10k      | 0012776 | P12                        | SiHfleiste 12-pol |
| R189, R489              | 10k      | 0012776 | P15                        | SiHfleiste 15-pol |
| R190, R490              | 10k      | 0012776 | P16                        | SiHfleiste 16-pol |
| R191, R491              | 10k      | 0012776 | P19                        | SiHfleiste 9-pol  |
| R192, R492              | 10k      | 0012776 | P7                         | SiHfleiste 7-pol  |
| R193, R493              | 1R81W    | 0012779 | P9                         | SiHfleiste 9-pol  |
| R194, R494              | 100k     | 0012775 | P12                        | SiHfleiste 12-pol |
| R195, R495              | 10k      | 0012776 | P15                        | SiHfleiste 15-pol |
| R196, R496              | 10k      | 0012776 | P16                        | SiHfleiste 16-pol |
| R197, R497              | 10k      | 0012776 | P19                        | SiHfleiste 9-pol  |
| R198, R498              | 10k      | 0012776 | P7                         | SiHfleiste 7-pol  |
| R199, R499              | 10k      | 0012776 | P9                         | SiHfleiste 9-pol  |
| R200, R500              | 10k      | 0012776 | P12                        | SiHfleiste 12-pol |
| R201, R501              | 10k      | 0012776 | P15                        | SiHfleiste 15-pol |
| R202, R502              | 10k      | 0012776 | P16                        | SiHfleiste 16-pol |
| R203, R503              | 10k      | 0012776 | P19                        | SiHfleiste 9-pol  |
| R204, R504              | 10k      | 0012776 | P7                         | SiHfleiste 7-pol  |
| R205, R505              | 10k      | 0012776 | P9                         | SiHfleiste 9-pol  |
| R206, R506              | 10k      | 0012776 | P12                        | SiHfleiste 12-pol |
| R207, R507              | 10k      | 0012776 | P15                        | SiHfleiste 15-pol |
| R208, R508              | 10k      | 0012776 | P16                        | SiHfleiste 16-pol |
| R209, R509              | 10k      | 0012776 | P19                        | SiHfleiste 9-pol  |
| R210, R510              | 10k      | 0012776 | P7                         | SiHfleiste 7-pol  |
| R211, R511              | 10k      | 0012776 | P9                         | SiHfleiste 9-pol  |
| R212, R512              | 10k      | 0012776 | P12                        | SiHfleiste 12-pol |
| R213, R513              | 10k      | 0012776 | P15                        | SiHfleiste 15-pol |
| R214, R514              | 10k      | 0012776 | P16                        | SiHfleiste 16-pol |
| R215, R515              | 10k      | 0012776 | P19                        | SiHfleiste 9-pol  |
| R216, R516              | 10k      | 0012776 | P7                         | SiHfleiste 7-pol  |
| R217, R517              | 10k      | 0012776 | P9                         | SiHfleiste 9-pol  |
| R218, R518              | 10k      | 0012776 | P12                        | SiHfleiste 12-pol |
| R219, R519              | 10k      | 0012776 | P15                        | SiHfleiste 15-pol |
| R220, R520              | 10k      | 0012776 | P16                        | SiHfleiste 16-pol |
| R221, R521              | 10k      | 0012776 | P19                        | SiHfleiste 9-pol  |
| R222, R522              | 10k      | 0012776 | P7                         | SiHfleiste 7-pol  |
| R223, R523              | 10k      | 0012776 | P9                         | SiHfleiste 9-pol  |
| R224, R524              | 10k      | 0012776 | P12                        | SiHfleiste 12-pol |
| R225, R525              | 10k      | 0012776 | P15                        | SiHfleiste 15-pol |
| R226, R526              | 10k      | 0012776 | P16                        | SiHfleiste 16-pol |
| R227, R527              | 10k      | 0012776 | P19                        | SiHfleiste 9-pol  |
| R228, R528              | 10k      | 0012776 | P7                         | SiHfleiste 7-pol  |
| R229, R529              | 10k      | 0012776 | P9                         | SiHfleiste 9-pol  |
| R230, R530              | 10k      | 0012776 | P12                        | SiHfleiste 12-pol |
| R231, R531              | 10k      | 0012776 | P15                        | SiHfleiste 15-pol |
| R232, R532              | 10k      | 0012776 | P16                        | SiHfleiste 16-pol |
| R233, R533              | 10k      | 0012776 | P19                        | SiHfleiste 9-pol  |
| R234, R534              | 10k      | 0012776 | P7                         | SiHfleiste 7-pol  |
| R235, R535              | 10k      | 0012776 | P9                         | SiHfleiste 9-pol  |
| R236, R536              | 10k      | 0012776 | P12                        | SiHfleiste 12-pol |
| R237, R537              | 10k      | 0012776 | P15                        | SiHfleiste 15-pol |
| R238, R538              | 10k      | 0012776 | P16                        | SiHfleiste 16-pol |
| R239, R539              | 10k      | 0012776 | P19                        | SiHfleiste 9-pol  |
| R240, R540              | 10k      | 0012776 | P7                         | SiHfleiste 7-pol  |
| R241, R541              | 10k      | 0012776 | P9                         | SiHfleiste 9-pol  |
| R242, R542              | 10k      | 0012776 | P12                        | SiHfleiste 12-pol |
| R243, R543              | 10k      | 0012776 | P15                        | SiHfleiste 15-pol |
| R244, R544              | 10k      | 0012776 | P16                        | SiHfleiste 16-pol |
| R245, R545              | 10k      | 0012776 | P19                        | SiHfleiste 9-pol  |
| R246, R546              | 10k      | 0012776 | P7                         | SiHfleiste 7-pol  |
| R247, R547              | 10k      | 0012776 | P9                         | SiHfleiste 9-pol  |
| R248, R548              | 10k      | 0012776 | P12                        | SiHfleiste 12-pol |
| R249, R549              | 10k      | 0012776 | P15                        | SiHfleiste 15-pol |
| R250, R550              | 10k      | 0012776 | P16                        | SiHfleiste 16-pol |
| R251, R551              | 10k      | 0012776 | P19                        | SiHfleiste 9-pol  |
| R252, R552              | 10k      | 0012776 | P7                         | SiHfleiste 7-pol  |
| R253, R553              | 10k      | 0012776 | P9                         | SiHfleiste 9-pol  |
| R254, R554              | 10k      | 0012776 | P12                        | SiHfleiste 12-pol |
| R255, R555              | 10k      | 0012776 | P15                        | SiHfleiste 15-pol |
| R256, R556              | 10k      | 0012776 | P16                        | SiHfleiste 16-pol |
| R257, R557              | 10k      | 0012776 | P19                        | SiHfleiste 9-pol  |
| R258, R558              | 10k      | 0012776 | P7                         | SiHfleiste 7-pol  |
| R259, R559              | 10k      | 0012776 | P9                         | SiHfleiste 9-pol  |
| R260, R560              | 10k      | 0012776 | P12                        | SiHfleiste 12-pol |
| R261, R561              | 10k      | 0012776 | P15                        | SiHfleiste 15-pol |
| R262, R562              | 10k      | 0012776 | P16                        | SiHfleiste 16-pol |
| R263, R563              | 10k      | 0012776 | P19                        | SiHfleiste 9-pol  |
| R264, R564              | 10k      | 0012776 | P7                         | SiHfleiste 7-pol  |
| R265, R565              | 10k      | 0012776 | P9                         | SiHfleiste 9-pol  |
| R266, R566              | 10k      | 0012776 | P12                        | SiHfleiste 12-pol |
| R267, R567              | 10k      | 0012776 | P15                        | SiHfleiste 15-pol |
| R268, R568              | 10k      | 0012776 | P16                        | SiHfleiste 16-pol |
| R269, R569              | 10k      | 0012776 | P19                        | SiHfleiste 9-pol  |
| R270, R570              | 10k      | 0012776 | P7                         | SiHfleiste 7-pol  |
| R271, R571              | 10k      | 0012776 | P9                         | SiHfleiste 9-pol  |
| R272, R572              | 10k      | 0012776 | P12                        | SiHfleiste 12-pol |
| R273, R573              | 10k      | 0012776 | P15                        | SiHfleiste 15-pol |
| R274, R574              | 10k      | 0012776 | P16                        | SiHfleiste 16-pol |
| R275, R575              | 10k      | 0012776 | P19                        | SiHfleiste 9-pol  |
| R276, R576              | 10k      | 0012776 | P7                         | SiHfleiste 7-pol  |
| R277, R577              | 10k      | 0012776 | P9                         | SiHfleiste 9-pol  |
| R278, R578              | 10k      | 0012776 | P12                        | SiHfleiste 12-pol |
| R279, R579              | 10k      | 0012776 | P15                        | SiHfleiste 15-pol |
| R280, R580              | 10k      | 0012776 | P16                        | SiHfleiste 16-pol |
| R281, R581              | 10k      | 0012776 | P19                        | SiHfleiste 9-pol  |
| R282, R582              | 10k      | 0012776 | P7                         | SiHfleiste 7-pol  |
| R283, R583              | 10k      | 0012776 | P9                         | SiHfleiste 9-pol  |
| R284, R584              | 10k      | 0012776 | P12                        | SiHfleiste 12-pol |
| R285, R585              | 10k      | 0012776 | P15                        | SiHfleiste 15-pol |
| R286, R586              | 10k      | 0012776 | P16                        | SiHfleiste 16-pol |
| R287, R587              | 10k      | 0012776 | P19                        | SiH               |

- Fig. 20 -

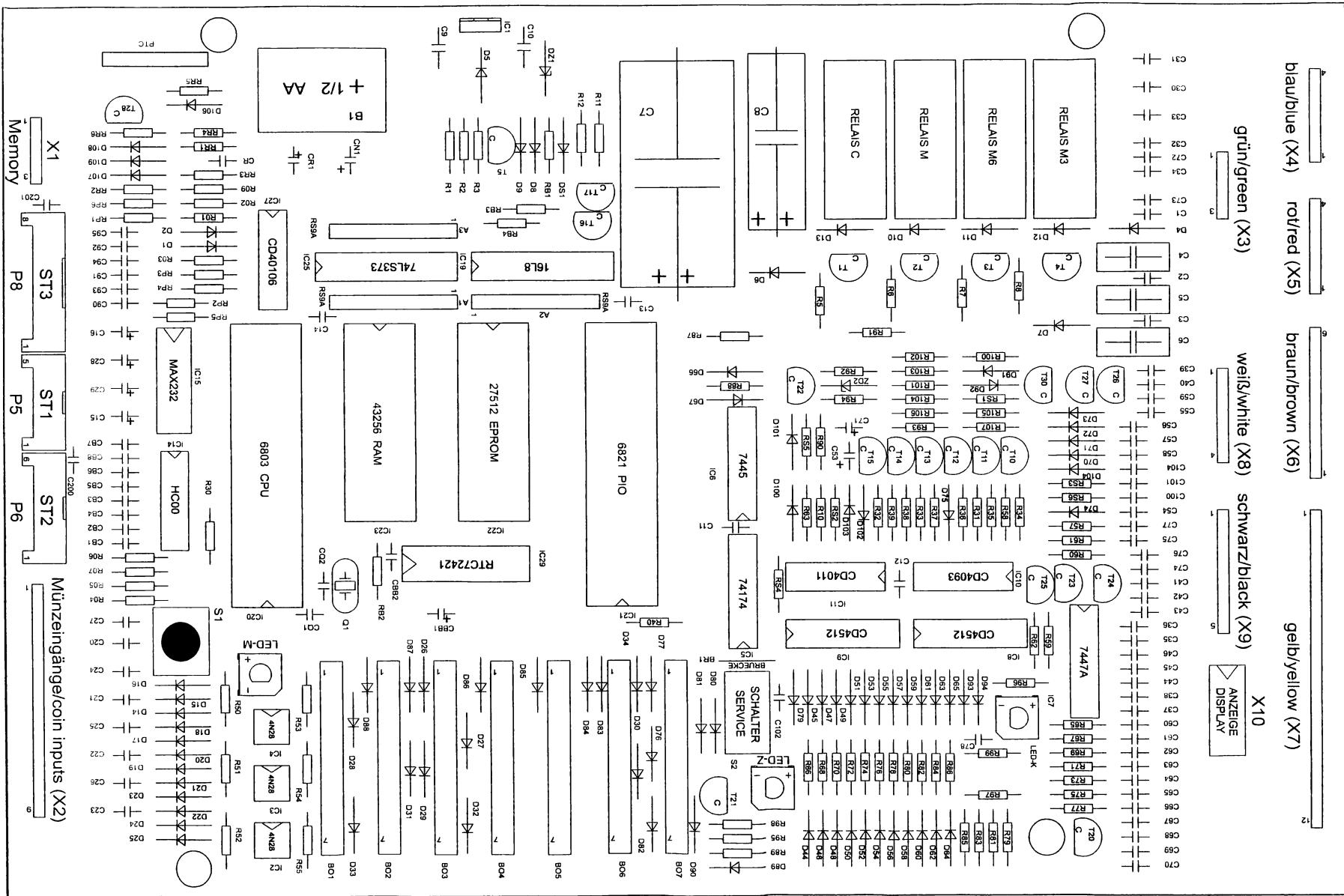


**- Fig. 20 -**

|   |      |                |                                    |               |
|---|------|----------------|------------------------------------|---------------|
| <b>Vorverstärkerplatine<br/>vollständig</b>   |      | <b>0038611</b> |                                    |               |
| 1 Kühleiste für Vorverstärker F91             |      | 0036528        | R72, R372, R73, R373               | 10k 0012776   |
| 2 Wärmeleitpaste                              |      | 0010908        | R71, R371                          | 33k 0012433   |
| 3 Glimmerscheibe                              |      | 0014482        | R82, R382                          | 2k05 0038631  |
| 4 Isolierbuchse                               |      | 0014479        | R83, R383                          | 1k62 0038630  |
| 5 Platine unbestückt                          |      | 0037689        | R84, R384                          | 1k3 0038628   |
| R1, R301, R2, R302                            | 47k  | 0014063        | R85, R385                          | 1k02 0038626  |
| R3, R103, R303                                | 1k   | 0014064        | R86, R386                          | 825R 0038625  |
| R4, R304                                      | 1k1  | 0038627        | R87, R387                          | 649R 0038624  |
| R5, R305                                      | 0R   | 0012894        | R88, R388                          | 511R 0038623  |
| R6, R106, R306                                | 1k   | 0014064        | R89, R389                          | 2k05 0038631  |
| R7, R307, R8, R308, R9, R309                  | 4k7  | 0012777        | R90, R390, R91, R391               | 1k 0014064    |
| R10, R310                                     | 1k   | 0014064        | R92, R392                          | 8k45 0038635  |
| R11, R311                                     | 15k  | 0012041        | R93, R393                          | 1k33 0038629  |
| R12, R312                                     | 1k   | 0014064        | R94, R394                          | 210R 0038622  |
| R13, R313, R14, R314, R15,<br>R315,           | 12k  | 0011760        | R95, R395                          | 33R2 0038621  |
| R16, R316, R17, R317, R18,<br>R318            | 12k  | 0011760        | R96, R396                          | 5R36 0038620  |
| R19, R319, R20, R320                          | 12k  | 0011760        | R97, R397                          | 1R 0038619    |
| R21, R321                                     | 15k  | 0012041        | R98, R398                          | 10k 0012776   |
| R22, R322                                     | 1M   | 0012774        | R99, R399                          | 22k 0013172   |
| R23, R323, R423, R24, R324,<br>R424, R422     | 10k  | 0012776        | R100, R101                         | 10k 0012776   |
| R25, R325                                     | 15k  | 0012041        | R102, R402                         | 100k 0012775  |
| R26, R326                                     | 3k3  | 0014383        | R104, R404                         | 47k 0014063   |
| R27, R327                                     | 6k8  | 0013136        | R105, R405, R403, R406             | 1k 0014064    |
| R28, R328                                     | 15k  | 0012041        | R107, R407                         | 6k8 0013136   |
| R29, R329                                     | 47k  | 0014063        | R108, R408                         | 2k7 0011992   |
| R30, R330                                     | 120k | 0011251        | R200                               | 10k 0012776   |
| R31, R331                                     | 100k | 0012775        | R400, R401                         | 10k 0012776   |
| R32, R332                                     | 27k  | 0011759        | R425, R428, R429                   | 1k 0014064    |
| R33, R333                                     | 10k  | 0012776        | R426, R427                         | 10k 0012776   |
| R34, R334                                     | 1k   | 0014064        | R504, R505                         | 3k3 0014383   |
| R35, R335, R38, R338                          | 10k  | 0012776        | R503, R506                         | 680R 0012778  |
| R36, R336                                     | 2k2  | 0014142        | R508                               | 10k 0012776   |
| R37, R337, R39                                | 100k | 0012775        | R600                               | 47k 0014063   |
| R40   | 10k  | 0012776        | R609                               | 1k 0014064    |
| R41, R45                                      | 1k2  | 0013931        | R610                               | 4k7 0012777   |
| R42   | 1M   | 0012774        | R613                               | 220k 0012040  |
| R43   | 1k   | 0014064        | R614, R616, R617                   | 10k 0012776   |
| R46   | 33k  | 0012433        | A2 A3 A1                           | 8x10k 0038236 |
| R47, R50                                      | 1M   | 0012774        | RN3 RN2 RN1                        | 4x10k 0038613 |
| R48   | 470k | 0013479        | P6 P306 P9 P309                    | 10k 0012082   |
| R49, R53, R353                                | 10k  | 0012776        | R500 R501 - Drahtwiderst. 1W       | 2k2 0014334   |
| R51, R54, R354, R57, R357,<br>R59, R359       | 100k | 0012775        | C1, C301, C2, C302                 | 4μ7 0012092   |
| R52   | 4k7  | 0012777        | C3, C303                           | 47μ 0014385   |
| R55, R355                                     | 6k8  | 0013136        | C4, C304                           | unconnected   |
| R56, R356                                     | 2k7  | 0011992        | C5, C305                           | 100p 0013018  |
| R58, R358, R60, R360                          | 1k   | 0014064        | C6, C306                           | 220p 0012090  |
| R61, R361                                     | 33k  | 0012433        | C7, C307                           | 1000n 0012785 |
| R62, R362                                     | 22k  | 0013172        | C8, C308                           | 33n 0012105   |
| R63, R363, R65, R365                          | 1k   | 0014064        | C9, C309                           | 2n7 0018624   |
| R64, R364                                     | 3k3  | 0014383        | C10, C310                          | 47p 0012664   |
| R66, R366                                     | 330k | 0014202        | C11, C311                          | 33n 0012105   |
| R67, R367, R70, R370,<br>R68, R368, R69, R369 | 10k  | 0012776        | C12, C312                          | 1000n 0012785 |
|   | 1k   | 0014064        | C13, C313, C14                     | 1μ 0014455    |
|   |      |                | C15, C16                           | 47μ 0014385   |
|   |      |                | C15, C16                           | 47μ 0014385   |
|   |      |                | C17, C317, C18, C318, C19,<br>C319 | 1000n 12785   |
|   |      |                | C20, C320                          | 47μ 0014385   |
|   |      |                | C21, C321                          | 47p 0012664   |
|   |      |                | C24, C324, C25, C325               | 27p 0012011   |
|   |      |                | C26, C326, C27, C327               | 1μ 0014455    |

|           |      |         |     |         |                  |    |         |                  |     |         |            |    |         |            |      |         |                                    |    |         |      |     |         |                  |      |         |            |    |         |            |      |         |                         |                               |                               |                               |             |                               |            |           |          |         |           |         |         |                              |          |         |   |      |         |                 |      |         |  |      |         |              |         |            |        |         |            |       |         |            |       |         |          |          |         |            |         |         |    |      |         |     |       |         |      |       |         |      |                              |         |    |         |            |         |           |         |     |         |
|-----------|------|---------|-----|---------|------------------|----|---------|------------------|-----|---------|------------|----|---------|------------|------|---------|------------------------------------|----|---------|------|-----|---------|------------------|------|---------|------------|----|---------|------------|------|---------|-------------------------|-------------------------------|-------------------------------|-------------------------------|-------------|-------------------------------|------------|-----------|----------|---------|-----------|---------|---------|------------------------------|----------|---------|---|------|---------|-----------------|------|---------|--|------|---------|--------------|---------|------------|--------|---------|------------|-------|---------|------------|-------|---------|----------|----------|---------|------------|---------|---------|----|------|---------|-----|-------|---------|------|-------|---------|------|------------------------------|---------|----|---------|------------|---------|-----------|---------|-----|---------|
| C28, C328 | 220p | 0012090 | 27p | 0012011 | C501, C502, C505 | 1μ | 0014455 | C500, C502, C505 | 47μ | 0014385 | C501, C504 | 1μ | 0014455 | C600, C602 | 100n | 0014098 | C601, C603, C604, C605, C606, C608 | 1μ | 0014455 | C607 | 22μ | 0014454 | C609, C610, C611 | 100n | 0014098 | C612, C613 | 1μ | 0014455 | C620, C621 | 100n | 0014098 | C620, C621, C622, C623, | D610, D611, D612, D613, D614, | D605, D606, D607, D608, D609, | D600, D601, D602, D603, D604, | D100, D508, | D15, D16, D17, D18, D19, D20, | D625, D626 | LED1 LED2 | LED gelb | 0012052 | LED3 LED4 | LED rot | 0011526 | IC1, IC2, IC3, IC4, IC5, IC6 | TL 074CN | 0038615 | IC9, IC10, IC11, IC12, IC13, IC14, IC15, IC16 | 4051 | 0038614 | IC7, IC17, IC18 | 4053 | 0038616 | IC20, IC21, IC22, IC23, IC25, IC29, IC30 | 4516 | 0014208 | IC24 - EPROM | 0039688 | IC-Fassung | DIL 28 | 0012029 | T1, T2, T5 | BC327 | 0014390 | T3, T4, T6 | BC337 | 0012782 | OK2, OK1 | CNY 17-3 | 0014068 | S1, S2, S3 | 0011430 | 0038618 | S4 | 7805 | 0012020 | SPI | LM317 | 0012096 | SPI2 | LM337 | 0038617 | SPI3 | PZB, P2B, P2C, P2D, P2E, P2F | 0033705 | P4 | 0012784 | DIN-Buchse | 0014384 | P10, P10A | 0013813 | P15 | 0011295 |
|-----------|------|---------|-----|---------|------------------|----|---------|------------------|-----|---------|------------|----|---------|------------|------|---------|------------------------------------|----|---------|------|-----|---------|------------------|------|---------|------------|----|---------|------------|------|---------|-------------------------|-------------------------------|-------------------------------|-------------------------------|-------------|-------------------------------|------------|-----------|----------|---------|-----------|---------|---------|------------------------------|----------|---------|---|------|---------|-----------------|------|---------|--|------|---------|--------------|---------|------------|--------|---------|------------|-------|---------|------------|-------|---------|----------|----------|---------|------------|---------|---------|----|------|---------|-----|-------|---------|------|-------|---------|------|------------------------------|---------|----|---------|------------|---------|-----------|---------|-----|---------|

- Fig. 21 -



**- Fig. 21 -**

| Teile Bezeichnung   | Wert                        | No.     |
|---|-----------------------------|---------|
| CN1; C71  | 10µ, 35V Tantal-Elko        | 0012013 |
| C15, C16, C28, C29  | 22 µ, 40V - Elko            | 0014454 |
| CBB1  | 1µ, 40V - Elko              | 0014455 |
| C53   | 1µ, 35V - Elko              | 0013179 |
| CR1   | 220µ, 40V - Elko            | 0014478 |
| C46, C90, C91, C92, C95, C94, C93, C54, C58, C57, C56, C55, C59, C34, C33, C30, C31, C32, C73, C27, C21, C22, C23, C26, C25, C24, C20, C45, C38, C36, C35, C37, C44, C42, C41, C40, C39, C43, C62, C64, C66, C65, C63, C61, C60, C67, C68, C69, C70, C72, C78, C75, C77, C76, CB6, CB8, CB7, CB5, CB1, CB3, CB4, CB2, C104, | 4n7, 100V                   | 0014335 |
| C102, C101, C100, C201, C200  |                             |         |
| CQ1, CQ2  | 27p, 100V                   | 0012011 |
| C74, C11, C12, C13, C14,  | 47n, 32V                    | 0012012 |
| CBB2  |                             |         |
| C1,C2,C3  | 4n, 250V                    | 0012010 |
| C7  | 2200µ, 50V - Elko           | 0013902 |
| C8  | 220µ, 63V - Elko            | 0013180 |
| C4,C5,C6  | 1µ, 63V                     | 0012785 |
| C9, C10   | 330n, 63V                   | 0012009 |
| LED: K, M, Z  | 50mA                        | 0013147 |
| D1, D2, D8, D9, D74, D72, D71, D70, D73, D75, D13, D10, D11, D12, D21, D14, D16,  | Diode Si 400V, 150mA 1N4446 | 0013148 |
| D15, D18, D17, D24, D25, D22, D23, D20, D19, D44, D48, D52, D56, D60, D64, D46, D50, D54, D58, D62,   |                             |         |
| D66, D67, D63, D59, D55, D51, D47, D65, D61, D57, D53, D49, D45, D89, D90,  |                             |         |
| D92, D94, D91, D93, D106, D107, D103, D102, D104, D108, D109, D100, D101  |                             |         |
| D4, D5, D6, D7  | Diode Si 400V, 1A 1N4004    | 0012564 |
| D33, D32, D31, D30, D29, D28, D27, D26, D34, D84, D85, D83, D87, D86, D88, D77, D76, D82, D79, D81, D80   | Diode Ge 25V, 10mA Bat42    | 0012033 |
| ZD2   | Diode Si Z 5V1, 1,3W        | 0014069 |
| DZ1   | Diode Si Z 5V6, 1,3W        | 0014149 |
| IC1   | IC 7805CT/P                 | 0012020 |
| IC2, IC3, IC4   | IC 4N28                     | 0012015 |
| IC5   | IC 6D Flipflop MOS4174 BCP  | 0012025 |

| Teile Bezeichnung  | Wert  | No.     |
|--|---|---------|
| IC6  | IC Dezimal-decoder SN7445                     | 0012022 |
| IC7  | IC 7-Segment-decoder SN7447 N                 | 0012021 |
| IC8, IC9   | IC 8-Kanal-Multiplexer 45 12B                 | 0012023 |
| IC10   | IC 4x2 NAND MOS4093 B                         | 0012017 |
| IC11   | IC 4-NAND MOS4011                             | 0012024 |
| IC14   | IC-NAND 74HC00                                | 0029571 |
| IC15   | IC Max232                                     | 0014386 |
| IC19   | IC Progr.Array Pal 16L8 ACN                   | 0028886 |
| IC20   | IC CPU+Timer+SCI +8 Port MOS6803              | 0011265 |
| IC21   | IC PIA i-o, MOS6821 P                         | 0012027 |
| IC22   | IC Eprom CD-box 2.11                          | 0035010 |
| IC23   | IC RAM 8Kx8 5564                              | 0011298 |
| IC25   | IC 8 Transparent-Latch (Tri-State) SN74 LS373 | 0011257 |
| IC27   | IC 6 C MOS40 106B SGS                         | 0014456 |
| IC29   | IC Real-Time clock 72421A                     | 0028770 |
| Q1   | Quarz 4915Khz                                 | 0011252 |
| RP1, RP2, RP3, RP4, RP5, RP6, RB1, RB2, RB3, RB4, R89  | 100k 1/3W                                     | 0012775 |
| R3, RR5, R58, R61, R63, R103, R105, R107   | 220R 1/3W                                     | 011996  |
| R34, R35, R36, R37, R38  | 470R 1/3W                                     | 0013137 |
| R33  | 8R2 1/3W                                      | 0011998 |
| R5, R6, R7, R8, R31, R94, RR1, RR6, RS1, RS4   | 1k 1/3W                                       | 0014064 |
| R1, R2, R10, R11, R12, R32, R92, R93, R98, RR3   | 10k 1/3W                                      | 0012776 |
| R39, R66, R68, R70, R72, R74, R76, R78, R80, R82, R84, R86, R88, R101, R102, RS2 RS5                     | 22k 1/3W                                      | 0013172 |
| R50, R51, R52  | 1k5 1/3W                                      | 0011993 |
| R53, R54, R55, R65, R67, R69, R71, R73, R75, R77, R79, R81, R83, R85, R87, R90, R99, R100, RR2, RS3, RS6 | 4k7 1/3W                                      | 0012777 |
| R91  | 33k 1/3W                                      | 0012433 |
| R57, R60, R62, R104, R106  | 150R 1/3W                                     | 0011997 |
| R59  | 4R7 1/3W                                      | 0011999 |
| R95, R96   | 560R 1/3W                                     | 0011994 |

**- Fig. 21 -**

| Teile Bezeichnung                               | Wert  | No.     |
|---|---|---------|
| R03, R04, R05, R06, R07,<br>R09                 | 3k3 1/3W                                      | 0014383 |
| R30   | 2k2 1/3W                                      | 0014142 |
| RR4   | 2k5 1/3W E24                                  | 0034746 |
| R40   | 330R 1/3W                                     | 0011995 |
|   | 8fach<br>Widerstand/Resistor 100k 1/8W        | 0012000 |
| Relais 1-4                                      | Relais 12V 300R<br>1S                         | 0012007 |
| B1  | Lithiumzelle 1AH<br>ER 1/2 AA                 | 0028887 |
| S1  | Drucktaster/push<br>button LT 1S<br>100V 0,1A | 0013141 |
| S2  | Schiebeschalter/<br>slideswitch 2U<br>LP      | 0012005 |
| PTC   | PTC 26VV 580mA<br>3R7                         | 0012822 |
| T1, T2, T3, T4, T10, T11,<br>T12, T13, T14, T30 | Transistor Si-NPN 50V 0,8A<br>BC337-25        | 0012782 |
| T15, T20, T21, T28                              | Transistor Si-NPN 30V 0,2A<br>BC238B          | 0012003 |
| T5, T22, T23, T24, T25, T26,<br>T27             | Transistor Si-PNP 50V 0,8A<br>BC327-25        | 0014390 |
| X1  | Speicherstecker/<br>Memory plug               | 0006500 |

| Zubehör /Accessories                                       | No.     |
|--|---------|
| Microphone-kit I84   | 0051854 |
| Microphone-kit F91   | 0051854 |
| BGM connector I84  | 0035579 |
| BGM connector F91  | 0048133 |
| Test CD  | 0028598 |
| Masse Trennfilter / Groud isolator /<br>Isolateur de masse | 0053300 |



